



# CERTIFICATE OF TESTING

## ALBERTA PRODUCTS PIPE LINE LTD.

Diameter: **323.9 mm**

Gage: **9.500 mm**

Grade: **GR.414-2**

Ref. No:		Certificate ID:	<b>187579</b>
Mill Order No:	<b>WA 054675-01</b>	Friday, April 20, 2018, 12:35:59	
Customer PO:	<b>APPL 45709</b>		
Specification:	<b>CSA Z245.1-14 GRADE 414 CAT II M5C, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements</b>		

All of the information in the '.... Report' sections is locked for editing and cannot be modified.  
And the '.... Data' sections are added as modifiable information and have NO direct link to the report sections.

VEN-P45709-RM05-0001



### Vendor Document Review


- ☒ **1 - REVIEWED** Manufacturing may proceed without changes
- ☐ **2 - REVIEWED** Correct & resubmit - May proceed subject to including change
- ☐ **3 - REVIEWED** Manufacturing may not proceed
- ☐ **4 - REVIEWED** Information / Record purposes only / Certified As Built


SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

The review of this document does not in any way relieve the vendor of responsibility for design or from compliance with the purchase order or contract documents.


<div><div><div></div><div>EVRAZ</div></div><div>Camrose ERW</div></div>																	<div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																	<div>Friday, April 20, 2018, 12:35:59</div> <div>Certificate ID: 187579-3</div> <div>Customer PO: APPL 45709</div> <div>Mill Order No: WA 054675-01</div>																																						
Customer: ALBERTA PRODUCTS PIPE LINE LTD.																	Diameter: 323.9 mm										Wall Thickness: 9.500 mm										Grade: GR.414-2										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																									
Supplier - Heat				Product ID				Test Type			Orientation				Width (mm)				YS (MPa)				UTS (MPa)				Elong% (50mm)				Y/T				CEQ				Ca		Ce		SoAl																													
								Wgt (%)			C			Mn			P				S				Si				Cu				Ni				Cr				Mo				Sn				Al				V				Cb				N2				Ti				B			
EVRAZ Regina - 409002				AE-134D 5809-K				MILL CONTROL			PIPE TPA				38.130				483				592				37.4				0.82																																									
				AE-134D 5809-K				MILL CONTROL			PIPE TWA				38.290				609				0.0				0.00																																													
								Heat:			0.04 1.33 0.010 0.002 0.10 0.29				0.11 0.12 0.09 0.011 0.045 0.00				0.07 0.010 0.02 0.0003				0.21 0.0016 0.001 0.044																																																	
				AE-134D V0005				Product:			0.04 1.33 0.010 0.002 0.10 0.28				0.11 0.12 0.10 0.011 0.046 0.00				0.07 0.010 0.02 0.0001				0.21 0.0018 0.000 0.044																																																	
				AE-134D W0005				Product:			0.04 1.34 0.010 0.002 0.10 0.28				0.11 0.12 0.10 0.011 0.046 0.00				0.07 0.010 0.02 0.0001				0.21 0.0018 0.000 0.044																																																	
EVRAZ Regina - 409003				AE-134D 7636-S				MILL CONTROL			PIPE TPA				38.049				496				580				34.6				0.85																																									
				AE-134D 7636-S				MILL CONTROL			PIPE TWA				38.359				602				0.0				0.00																																													
								Heat:			0.04 1.33 0.009 0.003 0.13 0.30				0.13 0.07 0.04 0.012 0.044 0.00				0.07 0.009 0.02 0.0002				0.19 0.0013 0.002 0.043																																																	
				AE-134D V0002				Product:			0.05 1.34 0.009 0.003 0.14 0.29				0.13 0.08 0.04 0.012 0.047 0.00				0.07 0.009 0.02 0.0001				0.20 0.0020 0.000 0.041																																																	
				AE-134D W0002				Product:			0.05 1.35 0.008 0.003 0.14 0.28				0.12 0.08 0.04 0.012 0.049 0.00				0.07 0.009 0.02 0.0001				0.20 0.0018 0.000 0.045																																																	
EVRAZ Regina - 409004				AE-134D 6032-T				MILL CONTROL			PIPE TPA				37.930				469				582				34.7				0.81																																									
				AE-134D 6032-T				MILL CONTROL			PIPE TWA				38.260				597				0.0				0.00																																													
								Heat:			0.05 1.37 0.010 0.004 0.17 0.24				0.11 0.07 0.04 0.009 0.050 0.00				0.07 0.011 0.02 0.0003				0.20 0.0013 0.002 0.049																																																	
				AE-134D V0016				Product:			0.05 1.39 0.009 0.004 0.18 0.24				0.10 0.07 0.04 0.009 0.053 0.00				0.07 0.011 0.02 0.0001				0.21 0.0013 0.000 0.048																																																	
				AE-134D W0016				Product:			0.05 1.39 0.009 0.004 0.18 0.24				0.10 0.07 0.04 0.009 0.053 0.00				0.07 0.011 0.02 0.0001				0.21 0.0016 0.000 0.048																																																	
EVRAZ Regina - 409005				AE-134D 5143-S				MILL CONTROL			PIPE TPA				38.059				499				577				38.2				0.87																																									
				AE-134D 5143-S				MILL CONTROL			PIPE TWA				38.250				596				0.0				0.00																																													
				AE-134D 5252-M				LOT QUALIFIER			PIPE TPA				37.899				472				575				38.1				0.82																																									
				AE-134D 5252-M				LOT QUALIFIER			PIPE TWA				38.260				602				0.0				0.00																																													
								Heat:			0.04 1.33 0.009 0.003 0.17 0.26				0.12 0.07 0.04 0.009 0.037 0.00				0.07 0.010 0.02 0.0003				0.20 0.0018 0.002 0.036																																																	
EVRAZ Regina - 409006				AE-134D 6444-H				MILL CONTROL			PIPE TPA				37.790				498				587				35.2				0.85																																									
				AE-134D 6444-H				MILL CONTROL			PIPE TWA				38.451				596				0.0				0.00																																													
								Heat:			0.04 1.35 0.009 0.002 0.17 0.24				0.11 0.10 0.04 0.009 0.039 0.00				0.07 0.010 0.02 0.0003				0.20 0.0012 0.002 0.038																																																	
				AE-134D W0032				Product:			0.04 1.33 0.008 0.002 0.17 0.24				0.10 0.10 0.04 0.009 0.039 0.00				0.06 0.011 0.02 0.0003				0.19 0.0012 0.000 0.036																																																	
				AE-134D W0033				Product:			0.04 1.34 0.008 0.002 0.17 0.24				0.10 0.10 0.04 0.009 0.040 0.00				0.07 0.010 0.02 0.0004				0.20 0.0015 0.000 0.035																																																	
EVRAZ Regina - 409036				AE-134D 5024-H				MILL CONTROL			PIPE TPA				38.080				520				613				32.7				0.85																																									
				AE-134D 5024-H				MILL CONTROL			PIPE TWA				38.240				633				0.0				0.00																																													
				AE-134D 5101-S				APPLY / TEST			PIPE TPA				38.049				501				612				30.8				0.82																																									
								Heat:			0.04 1.39 0.011 0.004 0.19 0.29				0.33 0.11 0.07 0.010 0.040 0.00				0.07 0.009 0.01 0.0003				0.22 0.0034 0.002 0.039																																																	
				AE-134D V0006				Product:			0.05 1.39 0.011 0.004 0.19 0.28				0.34 0.11 0.07 0.011 0.043 0.00				0.07 0.009 0.01 0.0003				0.22 0.0028 0.000 0.040																																																	
EVRAZ Regina - 409037				AE-134D 6003-M				MILL CONTROL			PIPE TPA				38.001				501				592				36.6				0.85																																									
				AE-134D 6003-M				MILL CONTROL			PIPE TWA				38.270				609				0.0				0.00																																													
								Heat:			0.04 1.36 0.010 0.003 0.14 0.29				0.21 0.11 0.05 0.012 0.041 0.00				0.07 0.010 0.01 0.0003				0.21 0.0019 0.002 0.040																																																	
				AE-134D V0009				Product:			0.05 1.34 0.010 0.003 0.14 0.29				0.20 0.12 0.05 0.011 0.045 0.00				0.07 0.010 0.01 0.0003				0.21 0.0017 0.000 0.041																																																	
				AE-134D W0009				Product:			0.05 1.35 0.011 0.003 0.15 0.29				0.21 0.12 0.05 0.012 0.044 0.00				0.07 0.010 0.01 0.0003				0.21 0.0017 0.000 0.040																																																	
EVRAZ Regina - 409038				AE-134D 6211-K				MILL CONTROL			PIPE TPA				38.011				495				586				34.8				0.84																																									
				AE-134D 6211-K				MILL CONTROL			PIPE TWA				38.331				598				0.0				0.00																																													
				AE-134D 6287-H				APPLY / TEST			PIPE TPA				37.780				491				594				32.7				0.83																																									
				AE-134D 8526-J				LOT QUALIFIER			PIPE TPA				38.049				497				585				35.8				0.85																																									
				AE-134D 8526-J				LOT QUALIFIER			PIPE TWA				38.481				597				0.0				0.00																																													
EVRAZ Regina - 409039								Heat:			0.04 1.33 0.011 0.004 0.13 0.27				0.14 0.09 0.04 0.009 0.042 0.00				0.07 0.010 0.02 0.0003				0.20 0.0017 0.002 0.041																																																	
				AE-134D V0016				Product:			0.04 1.35 0.011 0.003 0.14 0.26				0.15 0.10 0.05 0.009 0.045 0.00				0.07 0.010 0.02 0.0002				0.20 0.0015 0.000 0.040																																																	
				AE-134D W0016				Product:			0.04 1.34 0.011 0.004 0.14 0.26				0.15 0.10 0.05 0.009 0.045 0.00				0.07 0.010 0.02 0.0002				0.20 0.0017 0.000 0.041																																																	
				AE-134D 5912-N				MILL CONTROL			PIPE TPA				38.100				498				577				36.0				0.86																																									
				AE-134D 5912-N				MILL CONTROL			PIPE TWA				38.290				592				0.0				0.00																																													
EVRAZ Regina - 409040								Heat:			0.05 1.33 0.009 0.004 0.14 0.28				0.12 0.06 0.04 0.010 0.040 0.00				0.07 0.011 0.02 0.0003				0.21 0.0019 0.002 0.038																																																	
				AE-134D V0022				Product:			0.05 1.34 0.008 0.004 0.14 0.26				0.12 0.07 0.04 0.011 0.044 0.00				0.07 0.011 0.02 0.0002				0.20 0.0018 0.000 0.040																																																	
				AE-134D W0022				Product:			0.05 1.34 0.008 0.004 0.14 0.27				0.12 0.07 0.04 0.010 0.044 0.00				0.07 0.011 0.02 0.0002				0.20 0.0014 0.000 0.040																																																	
				AE-134D 6521-S				MILL CONTROL			PIPE TPA				37.869				506				591				35.2				0.86																																									
				AE-134D 6521-S				MILL CONTROL			PIPE TWA				38.471				599				0.0				0.00																																													
EVRAZ Regina - 409099								Heat:			0.05 1.34 0.011 0.002 0.16 0.27				0.11 0.07 0.04 0.010 0.039 0.00				0.07 0.010 0.02 0.0003				0.20 0.0020 0.002 0.037																																																	
				AE-134D V0029				Product:			0.04 1.34 0.011 0.001 0.17 0.26				0.11 0.07 0.04 0.011 0.044 0.00				0.08 0.009 0.02 0.0003				0.20 0.0024 0.000 0.040																																																	
				AE-134D W0029				Product:			0.04 1.34 0.011 0.002 0.17 0.26				0.11 0.07 0.04 0.011 0.044 0.00				0.07 0.010 0.02 0.0002				0.20 0.0020 0.000 0.040																																																	
				AE-134D 5617-M				MILL CONTROL			PIPE TPA				38.029				498				595				37.5				0.84																																									
				AE-134D 5617-M				MILL CONTROL			PIPE TWA				38.290				615				0.0				0.00																																													
								Heat:			0.05 1.37 0.010 0.004 0.14 0.26				0.19 0.09 0.06 0.010 0.035 0.00				0.07 0.009 0.02 0.0003				0.21 0.0020 0.002 0.034																																																	
				AE-134D V0006				Product:			0.04 1.38 0.010 0.004 0.14 0.25				0.19 0.09 0.07 0.011 0.039 0.00				0.07 0.009 0.02 0.0002				0.21 0.0019 0.000 0.035																																																	
				AE-134D W0006				Product:			0.04 1.36 0.010 0.004 0.14 0.25				0.19 0.09 0.07 0.010 0.038 0.00				0.07 0.009 0.02 0.0002				0.21 0.0017 0.000 0.035																																																	

EVRAZ Camrose																				Friday, April 20, 2018, 12:35:59													
CERTIFICATE OF TESTING																				Certificate ID: 187579-3													
Tensile & Chemistry																				Customer PO: APPL 45709													
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01													
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																																	
Supplier - Heat			Product ID		Test Type			Orientation			Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T		CEQ		Ca		Ce		SoAl					
					Wgt (%)			C      Mn			P      S      Si      Cu			Ni      Cr		Mo      Sn		Al      V		Cb      N2		Ti      B											
EVRAZ Regina - 409100			AE-134D	5363-F	MILL CONTROL			PIPE TPA			38.001			495		574		38.1		0.86													
			AE-134D	5363-F	MILL CONTROL			PIPE TWA			38.260					590		0.0		0.00													
			Heat:			0.05	1.34	0.009	0.003	0.15	0.25	0.12	0.08	0.04	0.009	0.036	0.00	0.07	0.012	0.01	0.0002									0.20	0.0017	0.002	0.035
			Product:			0.04	1.35	0.010	0.003	0.15	0.25	0.12	0.09	0.04	0.010	0.040	0.00	0.07	0.012	0.01	0.0002									0.20	0.0015	0.000	0.037
EVRAZ Regina - 409101			AE-134D	V0012	Product:			0.04	1.35	0.009	0.003	0.15	0.25	0.12	0.09	0.04	0.010	0.040	0.00	0.07	0.012	0.01	0.0002	0.20	0.0015	0.000	0.035						
			AE-134D	W0012	MILL CONTROL			PIPE TWA			38.410			589		0.0		0.00															
			AE-134D	7282-M	MILL CONTROL			PIPE TPA			37.991			479		580		35.2										0.83					
			Heat:			0.05	1.33	0.009	0.003	0.18	0.28	0.14	0.09	0.04	0.010	0.048	0.00	0.07	0.012									0.02	0.0003	0.20	0.0015	0.001	0.047
EVRAZ Regina - 409102			AE-134D	V0019	Product:			0.04	1.33	0.009	0.003	0.18	0.28	0.14	0.09	0.05	0.011	0.050	0.00									0.07	0.012	0.02	0.0002	0.20	0.0015
			AE-134D	W0019	Product:			0.04	1.34	0.009	0.003	0.18	0.28	0.14	0.09	0.05	0.011	0.050	0.00	0.07	0.012	0.02	0.0002	0.20	0.0015	0.000	0.045						
			AE-134D	7222-S	MILL CONTROL			PIPE TPA			38.219			473		585		32.6		0.81													
			AE-134D	7222-S	MILL CONTROL			PIPE TWA			38.410					606		0.0		0.00													
Heat:			0.04	1.33	0.010	0.002	0.18	0.30	0.18	0.08	0.06	0.009	0.038	0.00	0.07	0.012	0.02	0.0002	0.20	0.0016	0.001									0.037			
EVRAZ Regina - 409103			AE-134D	V0026	Product:			0.05	1.33	0.010	0.002	0.18	0.29	0.18	0.08	0.06	0.010	0.041	0.00	0.07	0.012									0.02	0.0002	0.21	0.0015
			AE-134D	W0026	Product:			0.05	1.32	0.009	0.002	0.18	0.29	0.17	0.08	0.06	0.010	0.040	0.00	0.07	0.012	0.02	0.0002	0.21	0.0019	0.000	0.038						
			AE-134D	7774-T	MILL CONTROL			PIPE TPA			38.120			462		578		33.3		0.80													
			AE-134D	7774-T	MILL CONTROL			PIPE TWA			38.430					597		0.0		0.00													
Heat:			0.04	1.32	0.013	0.003	0.18	0.26	0.09	0.10	0.03	0.009	0.039	0.00	0.07	0.010	0.02	0.0003	0.20	0.0016	0.001									0.038			
EVRAZ Regina - 409127			AE-134D	V0031	Product:			0.04	1.33	0.013	0.004	0.18	0.25	0.10	0.10	0.03	0.009	0.042	0.00	0.07	0.010									0.02	0.0002	0.20	0.0022
			AE-134D	V0032	Product:			0.04	1.33	0.013	0.003	0.18	0.25	0.09	0.10	0.03	0.009	0.041	0.00	0.07	0.010	0.02	0.0002	0.20	0.0017	0.000	0.039						
			AE-134D	W0032	Product:			0.04	1.33	0.012	0.003	0.18	0.25	0.09	0.10	0.03	0.009	0.040	0.00	0.07	0.009	0.02	0.0002	0.20	0.0018	0.000	0.038						
			EVRAZ Regina - 409128			AE-134D	6775-F	MILL CONTROL			PIPE TPA			37.841			491		589		36.5		0.83										
AE-134D	6775-F	MILL CONTROL				PIPE TWA			38.410					608		0.0		0.00															
Heat:						0.04	1.35	0.012	0.002	0.16	0.32	0.17	0.07	0.05	0.011	0.047	0.00	0.07	0.012	0.02	0.0003	0.20	0.0019	0.002									0.046
EVRAZ Regina - 409129						AE-134D	V0005	Product:			0.04	1.36	0.013	0.003	0.16	0.31	0.17	0.07	0.05	0.011	0.052	0.00	0.07	0.013									0.02
			AE-134D	W0005	Product:			0.04	1.37	0.012	0.003	0.17	0.31	0.17	0.07	0.05	0.012	0.053	0.00	0.07	0.013	0.02	0.0002	0.20	0.0020	0.000	0.050						
			AE-134D	7372-L	MILL CONTROL			PIPE TPA			38.141			497		588		34.4		0.85													
			AE-134D	7372-L	MILL CONTROL			PIPE TWA			38.420					599		0.0		0.00													
AE-134D	9780-S	LOT QUALIFIER			PIPE TPA			37.861			489		574		36.8		0.85																
EVRAZ Regina - 409130			AE-134D	9780-S	LOT QUALIFIER			PIPE TWA			38.471					599		0.0		0.00													
			Heat:			0.05	1.35	0.011	0.004	0.15	0.29	0.15	0.09	0.05	0.010	0.046	0.00	0.07	0.012	0.02	0.0002	0.21	0.0018	0.002	0.046								
			Product:			0.05	1.36	0.012	0.004	0.16	0.28	0.15	0.09	0.05	0.010	0.053	0.00	0.07	0.013	0.02	0.0002	0.21	0.0015	0.000	0.050								
			Product:			0.05	1.35	0.011	0.003	0.16	0.28	0.15	0.09	0.05	0.010	0.053	0.00	0.07	0.013	0.02	0.0002	0.21	0.0016	0.000	0.048								
EVRAZ Regina - 409131			AE-134D	7991-N	MILL CONTROL			PIPE TPA			38.001			484		590		33.0		0.82													
			AE-134D	7991-N	MILL CONTROL			PIPE TWA			38.461					598		0.0		0.00													
			Heat:			0.05	1.34	0.011	0.003	0.15	0.28	0.12	0.09	0.03	0.010	0.030	0.00	0.07	0.011	0.01	0.0003									0.20	0.0018	0.001	0.028
			Product:			0.04	1.35	0.012	0.003	0.16	0.28	0.12	0.09	0.03	0.011	0.030	0.00	0.08	0.011	0.01	0.0002									0.20	0.0013	0.000	0.025
EVRAZ Regina - 409132			AE-134D	V0019	Product:			0.04	1.35	0.012	0.003	0.16	0.28	0.12	0.09	0.03	0.011	0.030	0.00	0.07	0.011	0.01	0.0002	0.20	0.0015	0.000	0.027						
			AE-134D	W0019	Product:			0.04	1.33	0.012	0.004	0.15	0.28	0.12	0.09	0.03	0.011	0.030	0.00	0.07	0.011	0.01	0.0002	0.20	0.0015	0.000	0.027						
			AE-134D	8197-N	MILL CONTROL			PIPE TPA			38.070			470		582		37.0		0.81													
			AE-134D	8197-N	MILL CONTROL			PIPE TWA			38.410					602		0.0		0.00													
AE-134D	8300-F	LOT QUALIFIER			PIPE TPA			38.110			483		580		37.0		0.83																
EVRAZ Regina - 409133			AE-134D	8300-F	LOT QUALIFIER			PIPE TWA			38.451					600		0.0		0.00													
			Heat:			0.05	1.34	0.009	0.005	0.15	0.30	0.12	0.10	0.04	0.010	0.033	0.00	0.07	0.012	0.01	0.0003	0.21	0.0014	0.002	0.032								
			Product:			0.05	1.34	0.009	0.005	0.15	0.29	0.13	0.11	0.04	0.010	0.036	0.00	0.07	0.012	0.01	0.0002	0.21	0.0015	0.000	0.032								
			Product:			0.05	1.34	0.009	0.005	0.15	0.29	0.12	0.11	0.04	0.011	0.038	0.00	0.07	0.013	0.01	0.0002	0.21	0.0015	0.000	0.035								
EVRAZ Regina - 409134			AE-134D	7696-M	MILL CONTROL			PIPE TPA			38.151			471		573		35.4		0.82													
			AE-134D	7696-M	MILL CONTROL			PIPE TWA			38.410					605		0.0		0.00													
			Heat:			0.04	1.34	0.009	0.002	0.16	0.35	0.11	0.09	0.03	0.012	0.048	0.00	0.07	0.012	0.02	0.0002									0.20	0.0017	0.002	0.047
			Product:			0.05	1.35	0.009	0.002	0.16	0.34	0.11	0.09	0.03	0.012	0.051	0.00	0.07	0.011	0.02	0.0002									0.21	0.0018	0.000	0.049
EVRAZ Regina - 409135			AE-134D	W0033	Product:			0.05	1.35	0.009	0.002	0.16	0.34	0.11	0.09	0.03	0.012	0.050	0.00	0.07	0.011	0.02	0.0002	0.21	0.0019	0.000	0.048						
			AE-134D	10472-J	MILL CONTROL			PIPE TPA			37.821			473		588		37.5		0.81													
			AE-134D	10472-J	MILL CONTROL			PIPE TWA			38.550					601		0.0		0.00													
			Heat:			0.05	1.31	0.008	0.002	0.20	0.24	0.12	0.08	0.03	0.010	0.047	0.00	0.07	0.008	0.02	0.0002									0.20	0.0038	0.001	0.045
EVRAZ Regina - 409136			AE-134D	V0002	Product:			0.05	1.31	0.008	0.002	0.19	0.23	0.12	0.08	0.03	0.011	0.049	0.00	0.07	0.008									0.02	0.0002	0.20	0.0034
			AE-134D	W0002	Product:			0.05	1.32	0.008	0.002	0.20	0.24	0.13	0.09	0.03	0.011	0.048	0.00	0.07	0.008	0.02	0.0002	0.20	0.0029	0.000	0.046						
			AE-134D	9483-S	MILL CONTROL			PIPE TPA			37.879			502		595		35.2		0.84													
			AE-134D	9483-S	MILL CONTROL			PIPE TWA			38.499					611		0.0		0.00													
Heat:			0.05	1.34	0.009	0.003	0.18	0.28	0.12	0.08	0.03	0.012	0.039	0.00	0.07	0.008	0.02	0.0003	0.21	0.0031	0.000									0.039			
EVRAZ Regina - 409137			AE-134D	V0009	Product:			0.05	1.34	0.008	0.004	0.18	0.27	0.12	0.08	0.03	0.012	0.038	0.00	0.06	0.008									0.02	0.0002	0.21	0.0028
			AE-134D	W0009	Product:			0.05	1.34	0.008	0.004	0.18	0.28	0.12	0.08	0.03	0.012	0.037	0.00	0.06	0.008	0.02	0.0002	0.21	0.0027	0.002	0.036						
			AE-134D	10180-M	LOT QUALIFIER			PIPE TPA			37.780			498		621		34.6		0.80													
			AE-134D	10180-M	LOT QUALIFIER			PIPE TWA			37.780					621		34.6		0.80													

 Camrose ERW														EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry														Friday, April 20, 2018, 12:35:59 Certificate ID: 187579-3 Customer PO: APPL 45709 Mill Order No: WA 054675-01															
Customer: ALBERTA PRODUCTS PIPE LINE LTD.														Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2 Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																													
Supplier - Heat				Product ID				Test Type				Orientation				Width (mm)				YS (MPa)				UTS (MPa)				Elong% (50mm)				Y/T											
				Wgt (%)   C   Mn				P   S   Si   Cu				Ni   Cr				Mo   Sn				Al   V				Cb   N2				Ti   B				CEQ   Ca   Ce   SoAl											
				AE-134D 10180-M				LOT QUALIFIER				PIPE TWA				38.560								623				0.0				0.00											
				AE-134D 9963-N				MILL CONTROL				PIPE TPA				37.851				482				608				31.6				0.79											
				AE-134D 9963-N				MILL CONTROL				PIPE TWA				38.550								615				0.0				0.00											
								Heat: 0.05   1.33				0.009   0.005   0.21   0.27				0.14   0.10				0.05   0.012				0.038   0.00				0.07   0.007				0.02   0.0003   0.21   0.0028   0.000   0.038											
								Product: 0.05   1.33				0.009   0.005   0.21   0.28				0.14   0.10				0.05   0.012				0.035   0.00				0.07   0.007				0.02   0.0003   0.21   0.0029   0.001   0.034											
								Product: 0.05   1.32				0.008   0.006   0.21   0.28				0.14   0.10				0.05   0.012				0.035   0.00				0.07   0.007				0.02   0.0003   0.21   0.0030   0.001   0.035											
EVRAZ Regina - 409212				AE-134D 10903-S				MILL CONTROL				PIPE TPA				37.920				490				601				33.0				0.82											
				AE-134D 10903-S				MILL CONTROL				PIPE TWA				38.049								619				0.0				0.00											
								Heat: 0.05   1.33				0.009   0.003   0.20   0.25				0.15   0.12				0.06   0.011				0.047   0.00				0.07   0.011				0.02   0.0003   0.21   0.0028   0.001   0.046											
								Product: 0.05   1.34				0.009   0.003   0.20   0.25				0.16   0.12				0.06   0.011				0.045   0.00				0.07   0.011				0.02   0.0002   0.21   0.0028   0.001   0.042											
								Product: 0.05   1.35				0.009   0.003   0.20   0.25				0.16   0.12				0.06   0.012				0.045   0.00				0.07   0.011				0.03   0.0002   0.21   0.0024   0.002   0.044											
EVRAZ Regina - 409213				AE-134D 9513-H				MILL CONTROL				PIPE TPA				37.749				468				588				36.5				0.80											
				AE-134D 9513-H				MILL CONTROL				PIPE TWA				38.499								597				0.0				0.00											
								Heat: 0.05   1.36				0.010   0.005   0.24   0.25				0.11   0.12				0.04   0.010				0.050   0.00				0.07   0.012				0.02   0.0003   0.22   0.0025   0.000   0.049											
								Product: 0.05   1.34				0.010   0.004   0.24   0.24				0.11   0.12				0.04   0.011				0.052   0.00				0.07   0.011				0.02   0.0002   0.21   0.0020   0.000   0.050											
								Product: 0.05   1.34				0.010   0.004   0.24   0.24				0.11   0.12				0.04   0.011				0.052   0.00				0.07   0.011				0.02   0.0002   0.21   0.0020   0.000   0.050											
EVRAZ Regina - 409214				AE-134D 9103-S				MILL CONTROL				PIPE TPA				38.080				497				593				35.3				0.84											
				AE-134D 9103-S				MILL CONTROL				PIPE TWA				38.390								600				0.0				0.00											
								Heat: 0.05   1.34				0.009   0.002   0.20   0.25				0.13   0.11				0.04   0.011				0.040   0.00				0.07   0.010				0.02   0.0003   0.21   0.0031   0.000   0.039											
								Product: 0.04   1.34				0.009   0.002   0.19   0.24				0.14   0.12				0.04   0.012				0.042   0.00				0.07   0.010				0.02   0.0002   0.21   0.0029   0.000   0.040											
								Product: 0.05   1.35				0.009   0.002   0.19   0.25				0.14   0.12				0.04   0.012				0.042   0.00				0.07   0.010				0.02   0.0002   0.21   0.0024   0.000   0.040											
EVRAZ Regina - 409243				AE-134D 10573-N				MILL CONTROL				PIPE TPA				37.899				479				594				32.6				0.81											
				AE-134D 10573-N				MILL CONTROL				PIPE TWA				38.519								608				0.0				0.00											
								Heat: 0.05   1.35				0.012   0.005   0.15   0.35				0.12   0.11				0.05   0.011				0.045   0.00				0.07   0.010				0.02   0.0003   0.22   0.0023   0.003   0.044											
								Product: 0.05   1.35				0.011   0.005   0.15   0.34				0.12   0.11				0.05   0.012				0.047   0.00				0.07   0.010				0.02   0.0002   0.22   0.0026   0.000   0.045											
								Product: 0.05   1.36				0.011   0.005   0.15   0.34				0.12   0.11				0.05   0.012				0.047   0.00				0.07   0.011				0.02   0.0002   0.22   0.0020   0.000   0.045											
EVRAZ Regina - 409244				AE-134D 9913-S				MILL CONTROL				PIPE TPA				37.831				487				581				37.7				0.84											
				AE-134D 9913-S				MILL CONTROL				PIPE TWA				38.509								598				0.0				0.00											
								Heat: 0.05   1.36				0.010   0.004   0.16   0.30				0.09   0.10				0.03   0.011				0.040   0.00				0.07   0.012				0.02   0.0003   0.21   0.0014   0.003   0.039											
								Product: 0.05   1.37				0.010   0.004   0.16   0.30				0.09   0.10				0.03   0.011				0.041   0.00				0.06   0.013				0.02   0.0003   0.21   0.0017   0.003   0.038											
								Product: 0.05   1.37				0.010   0.004   0.16   0.30				0.09   0.10				0.03   0.011				0.041   0.00				0.07   0.012				0.02   0.0003   0.21   0.0017   0.003   0.038											
EVRAZ Regina - 409267				AE-134D 14287-L				LOT QUALIFIER				PIPE TPA				37.559				491				585				35.1				0.84											
				AE-134D 14287-L				LOT QUALIFIER				PIPE TWA				38.420								603				0.0				0.00											
				AE-134D 9173-K				MILL CONTROL				PIPE TPA				38.219				486				595				31.2				0.82											
				AE-134D 9173-K				MILL CONTROL				PIPE TWA				38.400								615				0.0				0.00											
								Heat: 0.04   1.37				0.010   0.005   0.11   0.27				0.13   0.09				0.05   0.010				0.036   0.00				0.07   0.009				0.02   0.0002   0.20   0.0022   0.001   0.035											
								Product: 0.04   1.38				0.010   0.005   0.12   0.27				0.13   0.09				0.05   0.011				0.037   0.00				0.07   0.009				0.02   0.0001   0.21   0.0016   0.000   0.034											
EVRAZ Regina - 409268				AE-134D V0006																																							
				AE-134D W0006				Product: 0.04   1.38				0.010   0.005   0.12   0.26				0.13   0.09				0.05   0.010				0.037   0.00				0.07   0.010				0.02   0.0001   0.20   0.0015   0.000   0.033											
				AE-134D 10767-K				APPLY / TEST				PIPE TPA				37.991				493				583				36.8				0.85											
				AE-134D 14257-H				LOT QUALIFIER				PIPE TPA				37.549				482				593				34.7				0.81											
				AE-134D 14257-H				LOT QUALIFIER				PIPE TWA				38.461								603				0.0				0.00											
				AE-134D 9571-F				MILL CONTROL				PIPE TPA				37.910				491				589				40.0				0.83											
EVRAZ Regina - 409269				AE-134D 9571-F				MILL CONTROL				PIPE TWA				38.440								597				0.0				0.00											
								Heat: 0.05   1.33				0.010   0.004   0.14   0.30				0.12   0.09				0.05   0.011				0.034   0.00				0.07   0.009				0.02   0.0002   0.20   0.0020   0.001   0.033											
								Product: 0.05   1.32				0.009   0.004   0.14   0.29				0.12   0.09				0.05   0.011				0.035   0.00				0.07   0.009				0.02   0.0002   0.21   0.0019   0.000   0.031											
								Product: 0.05   1.33				0.009   0.004   0.15   0.29				0.12   0.09				0.05   0.012				0.035   0.00				0.07   0.009				0.02   0.0002   0.20   0.0019   0.000   0.030											
				AE-134D 13309-H				LOT QUALIFIER				PIPE TPA				37.739				471				581				35.6				0.81											
				AE-134D 13309-H				LOT QUALIFIER				PIPE TWA				38.499								599				0.0				0.00											
EVRAZ Regina - 409270				AE-134D 8970-T				MILL CONTROL				PIPE TPA				38.209				486				577				32.4				0.84											
				AE-134D 8970-T				MILL CONTROL				PIPE TWA				38.481								596				0.0				0.00											
								Heat: 0.05   1.37				0.009   0.004   0.12   0.28				0.13   0.07				0.05   0.011				0.042   0.00				0.07   0.011				0.02   0.0003   0.21   0.0023   0.001   0.040											
								Product: 0.05   1.35				0.009   0.004   0.12   0.28				0.13   0.07				0.05   0.012				0.045   0.00				0.07   0.011				0.02   0.0002   0.20   0.0022   0.000   0.041											
								Product: 0.04   1.36				0.009   0.004   0.12   0.27				0.13   0.07				0.05   0.011				0.045   0.00				0.07   0.011				0.02   0.0002   0.20   0.0021   0.000   0.042											
EVRAZ Regina - 409271				AE-134D 9365-F				MILL CONTROL				PIPE TPA				38.209				515				591				37.7				0.87											
				AE-134D 9365-F				MILL CONTROL				PIPE TWA				38.461								595				0.0				0.00											
								Heat: 0.05   1.39				0.009   0.001   0.22   0.28				0.10   0.07				0.04   0.011				0.043   0.00				0.07   0.011				0.02   0.0003   0.21   0.0015   0.001   0.042											
								Product: 0.05   1.39				0.009   0.001   0.22   0.28				0.10   0.07				0.04   0.012				0.045   0.00				0.07   0.011				0.02   0.0002   0.21   0.0014   0.000   0.042											
								Product: 0.05   1.38				0.008   0.001   0.23   0.28				0.10   0.07				0.04   0.011				0.046   0.00				0.07   0.011				0.02   0.0002   0.21   0.0016   0.000   0.043											
EVRAZ Regina - 409272				AE-134D 13190-V				LOT QUALIFIER				PIPE TPA				37.661				491				605				37.8				0.81											
				AE-134D 13190-V				LOT QUALIFIER				PIPE TWA				38.481								598				0.0				0.00											
				AE-134D 8718-N				MILL CONTROL				PIPE TPA				38.301				460				583				37.9				0.79											

 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																		Friday, April 20, 2018, 12:35:59					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Certificate ID: 187579-3					
																				Customer PO: APPL 45709					
Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2																		Mill Order No: WA 054675-01							
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																									
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T					
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl	
		AE-134D 8718-N		MILL CONTROL			PIPE TWA				38.430					602		0.0		0.00					
				Heat:	0.04	1.34	0.009	0.003	0.22	0.27	0.10	0.10	0.04	0.011	0.038	0.00	0.07	0.011	0.02	0.0003	0.20	0.0017	0.001	0.037	
		AE-134D V0030		Product:	0.05	1.32	0.009	0.002	0.22	0.26	0.10	0.10	0.04	0.011	0.039	0.00	0.07	0.011	0.02	0.0002	0.20	0.0015	0.000	0.037	
		AE-134D W0030		Product:	0.04	1.31	0.009	0.002	0.22	0.26	0.10	0.10	0.04	0.011	0.039	0.00	0.07	0.009	0.02	0.0002	0.20	0.0015	0.000	0.037	
EVRAZ Regina - 409272		AE-134D 9600-L		MILL CONTROL			PIPE TPA				37.760			456		583		36.3		0.78					
		AE-134D 9600-L		MILL CONTROL			PIPE TWA				38.451			595		595		0.0		0.00					
				Heat:	0.04	1.37	0.009	0.002	0.20	0.28	0.12	0.08	0.05	0.011	0.044	0.00	0.07	0.011	0.02	0.0003	0.20	0.0020	0.001	0.040	
		AE-134D V0040		Product:	0.04	1.35	0.008	0.002	0.20	0.27	0.12	0.08	0.05	0.011	0.047	0.00	0.07	0.011	0.02	0.0002	0.20	0.0020	0.000	0.045	
		AE-134D W0040		Product:	0.04	1.36	0.008	0.002	0.20	0.27	0.12	0.08	0.05	0.011	0.046	0.00	0.07	0.010	0.02	0.0002	0.20	0.0017	0.000	0.044	
EVRAZ Regina - 409273		AE-134D 9556-T		MILL CONTROL			PIPE TPA				37.899			489		592		34.7		0.83					
		AE-134D 9556-T		MILL CONTROL			PIPE TWA				38.519			611		611		0.0		0.00					
				Heat:	0.05	1.37	0.009	0.003	0.22	0.30	0.10	0.09	0.03	0.010	0.044	0.00	0.07	0.011	0.02	0.0003	0.21	0.0020	0.001	0.038	
		AE-134D V0047		Product:	0.05	1.36	0.009	0.003	0.22	0.31	0.10	0.09	0.03	0.010	0.045	0.00	0.07	0.011	0.02	0.0002	0.21	0.0031	0.002	0.042	
		AE-134D W0047		Product:	0.05	1.37	0.009	0.004	0.22	0.31	0.10	0.09	0.03	0.010	0.044	0.00	0.07	0.011	0.02	0.0003	0.22	0.0026	0.002	0.043	
EVRAZ Regina - 409274		AE-134D 9067-H		MILL CONTROL			PIPE TPA				38.151			504		584		35.3		0.86					
		AE-134D 9067-H		MILL CONTROL			PIPE TWA				38.390			602		602		0.0		0.00					
				Heat:	0.04	1.35	0.009	0.002	0.17	0.28	0.10	0.11	0.04	0.012	0.041	0.00	0.07	0.010	0.02	0.0003	0.20	0.0023	0.001	0.040	
		AE-134D V0051		Product:	0.04	1.35	0.009	0.002	0.18	0.27	0.11	0.11	0.04	0.013	0.044	0.00	0.07	0.010	0.02	0.0002	0.20	0.0021	0.000	0.040	
		AE-134D W0051		Product:	0.04	1.35	0.009	0.002	0.18	0.27	0.11	0.11	0.04	0.012	0.044	0.00	0.07	0.010	0.02	0.0002	0.20	0.0021	0.000	0.040	
EVRAZ Regina - 409329		AE-134D 11509-V		MILL CONTROL			PIPE TPA				37.810			464		566		36.4		0.82					
		AE-134D 11509-V		MILL CONTROL			PIPE TWA				38.410			581		581		0.0		0.00					
				Heat:	0.05	1.33	0.009	0.003	0.18	0.26	0.09	0.10	0.03	0.009	0.029	0.00	0.07	0.010	0.01	0.0003	0.20	0.0019	0.001	0.027	
		AE-134D V0016		Product:	0.05	1.35	0.009	0.003	0.18	0.25	0.09	0.10	0.02	0.010	0.029	0.00	0.07	0.010	0.01	0.0002	0.20	0.0035	0.000	0.027	
		AE-134D W0016		Product:	0.04	1.34	0.009	0.002	0.18	0.25	0.09	0.10	0.02	0.010	0.030	0.00	0.07	0.010	0.02	0.0002	0.19	0.0047	0.000	0.028	
EVRAZ Regina - 409335		AE-134D 11657-V		MILL CONTROL			PIPE TPA				37.981			497		589		34.9		0.84					
		AE-134D 11657-V		MILL CONTROL			PIPE TWA				38.440			597		597		0.0		0.00					
				Heat:	0.05	1.31	0.011	0.006	0.12	0.29	0.15	0.10	0.05	0.011	0.030	0.00	0.07	0.008	0.02	0.0002	0.20	0.0015	0.001	0.027	
		AE-134D V0002		Product:	0.04	1.31	0.011	0.005	0.13	0.28	0.16	0.10	0.05	0.011	0.033	0.00	0.07	0.008	0.02	0.0001	0.20	0.0014	0.000	0.031	
		AE-134D W0002		Product:	0.04	1.31	0.011	0.005	0.13	0.28	0.16	0.10	0.05	0.011	0.033	0.00	0.07	0.007	0.02	0.0001	0.20	0.0013	0.000	0.031	
EVRAZ Regina - 409336		AE-134D 12085-V		MILL CONTROL			PIPE TPA				38.059			469		566		37.2		0.83					
		AE-134D 12085-V		MILL CONTROL			PIPE TWA				38.430			584		584		0.0		0.00					
		AE-134D 18417-T		LOT QUALIFIER			PIPE TPA				38.011			473		569		37.3		0.83					
		AE-134D 18417-T		LOT QUALIFIER			PIPE TWA				38.560			592		592		0.0		0.00					
				Heat:	0.04	1.35	0.010	0.004	0.13	0.28	0.12	0.12	0.04	0.010	0.038	0.00	0.07	0.012	0.02	0.0003	0.21	0.0020	0.001	0.036	
		AE-134D V0009		Product:	0.04	1.31	0.010	0.004	0.13	0.27	0.12	0.12	0.04	0.010	0.042	0.00	0.07	0.011	0.02	0.0001	0.20	0.0019	0.000	0.038	
		AE-134D V0011		Product:	0.05	1.36	0.010	0.004	0.14	0.29	0.11	0.10	0.03	0.010	0.038	0.00	0.07	0.010	0.02	0.0001	0.21	0.0016	0.000	0.036	
		AE-134D W0009		Product:	0.05	1.34	0.010	0.004	0.13	0.27	0.12	0.12	0.04	0.010	0.042	0.00	0.07	0.012	0.02	0.0001	0.21	0.0018	0.000	0.038	
		AE-134D W0010		Product:	0.05	1.35	0.010	0.005	0.13	0.27	0.12	0.12	0.04	0.010	0.041	0.00	0.07	0.011	0.02	0.0001	0.21	0.0021	0.000	0.039	
EVRAZ Regina - 409337		AE-134D 11423-N		MILL CONTROL			PIPE TPA				37.981			510		595		34.3		0.86					
		AE-134D 11423-N		MILL CONTROL			PIPE TWA				38.539			602		602		0.0		0.00					
				Heat:	0.04	1.32	0.010	0.003	0.17	0.36	0.10	0.10	0.03	0.012	0.034	0.00	0.07	0.007	0.02	0.0002	0.20	0.0012	0.001	0.033	
		AE-134D V0017		Product:	0.05	1.32	0.010	0.003	0.17	0.35	0.11	0.10	0.03	0.012	0.037	0.00	0.07	0.007	0.02	0.0001	0.20	0.0014	0.000	0.035	
		AE-134D W0017		Product:	0.04	1.30	0.010	0.002	0.17	0.35	0.10	0.10	0.03	0.011	0.037	0.00	0.07	0.007	0.02	0.0002	0.20	0.0020	0.000	0.000	
EVRAZ Regina - 409338		AE-134D 11453-T		MILL CONTROL			PIPE TPA				38.029			484		586		38.9		0.83					
		AE-134D 11453-T		MILL CONTROL			PIPE TWA				38.349			605		605		0.0		0.00					
		AE-134D 15449-S		LOT QUALIFIER			PIPE TPA				37.970			471		576		33.3		0.82					
		AE-134D 15449-S		LOT QUALIFIER			PIPE TWA				38.400			596		596		0.0		0.00					
				Heat:	0.06	1.33	0.010	0.002	0.16	0.32	0.16	0.08	0.04	0.011	0.036	0.00	0.07	0.012	0.02	0.0004	0.22	0.0020	0.000	0.035	
		AE-134D V0024		Product:	0.06	1.32	0.009	0.002	0.17	0.31	0.16	0.08	0.04	0.011	0.038	0.00	0.07	0.012	0.02	0.0002	0.21	0.0024	0.000	0.036	
		AE-134D W0024		Product:	0.05	1.31	0.009	0.002	0.17	0.31	0.16	0.08	0.04	0.011	0.039	0.00	0.07	0.012	0.02	0.0001	0.21	0.0026	0.000	0.037	
EVRAZ Regina - 409339		AE-134D 11891-T		MILL CONTROL			PIPE TPA				37.861			471		587		37.2		0.80					
		AE-134D 11891-T		MILL CONTROL			PIPE TWA				38.369			604		604		0.0		0.00					
		AE-134D 14272-K		LOT QUALIFIER			PIPE TPA				37.460			500		596		34.6		0.84					
		AE-134D 14272-K		LOT QUALIFIER			PIPE TWA				38.499			602		602		0.0		0.00					
				Heat:	0.06	1.37	0.010	0.003	0.18	0.32	0.15	0.08	0.04	0.011	0.039	0.00	0.07	0.010	0.02	0.0003	0.22	0.0023	0.000	0.039	
		AE-134D V0005		Product:	0.06	1.38	0.010	0.003	0.19	0.30	0.15	0.08	0.04	0.011	0.044	0.00	0.07	0.012	0.02	0.0001	0.22	0.0020	0.000	0.035	
		AE-134D W0005		Product:	0.06	1.37	0.009	0.004	0.18	0.30	0.15	0.08	0.04	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.22	0.0026	0.000	0.044	
EVRAZ Regina - 409340		AE-134D 11157-J		MILL CONTROL			PIPE TPA				37.910			496		572		37.4		0.87					
		AE-134D 11157-J		MILL CONTROL			PIPE TWA				38.570			590		590		0.0		0.00					
		AE-134D 13279-S		LOT QUALIFIER			PIPE TPA				37.749			490		572		40.2		0.86					
		AE-134D 13279-S		LOT QUALIFIER			PIPE TWA				38.410			592		592		0.0		0.00					

<div><div><div></div><div>EVRAZ</div></div><div>Camrose ERW</div></div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																		Friday, April 20, 2018, 12:35:59																		
																		Certificate ID: 187579-3																		
																		Customer PO: APPL 45709																		
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2						Mill Order No: WA 054675-01																				
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																										
Supplier - Heat				Product ID				Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T											
								Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl								
				AE-134D V0012 AE-134D W0012				Heat:			0.05	1.32	0.009	0.002	0.15	0.31	0.16	0.12	0.05	0.010	0.039	0.00	0.07	0.013	0.02	0.0002	0.21	0.0021	0.000	0.037						
								Product:			0.04	1.34	0.009	0.002	0.15	0.31	0.16	0.12	0.05	0.010	0.040	0.00	0.07	0.012	0.02	0.0002	0.21	0.0020	0.002	0.039						
								Product:			0.04	1.33	0.008	0.002	0.15	0.31	0.16	0.12	0.05	0.010	0.039	0.00	0.07	0.012	0.02	0.0002	0.20	0.0022	0.002	0.038						
EVRAZ Regina - 409341				AE-134D 11627-F AE-134D 11627-F				MILL CONTROL			PIPE TPA				37.920		485		578		37.3		0.84													
								MILL CONTROL			PIPE TWA				38.400		592		0.0		0.00															
								Heat:			0.05	1.32	0.007	0.003	0.15	0.29	0.16	0.09	0.05	0.010	0.040	0.00	0.07	0.012					0.02	0.0002	0.21	0.0018	0.000	0.039		
				AE-134D V0016 AE-134D W0016				Product:			0.05	1.33	0.007	0.004	0.14	0.29	0.16	0.08	0.05	0.010	0.040	0.00	0.07	0.012	0.02	0.0002	0.20	0.0021	0.002	0.038						
								Product:			0.05	1.32	0.007	0.003	0.14	0.29	0.16	0.08	0.05	0.010	0.041	0.00	0.07	0.012	0.02	0.0002	0.20	0.0020	0.002	0.039						
								EVRAZ Regina - 409342				AE-134D 13011-F AE-134D 13011-F				MILL CONTROL			PIPE TPA				38.710		476		574		34.0		0.83					
MILL CONTROL			PIPE TWA				38.471									596		0.0		0.00																
Heat:			0.05	1.34	0.008	0.005	0.15									0.29	0.13	0.09	0.05	0.011	0.036	0.00	0.07	0.010	0.02	0.0002	0.21	0.0018	0.000	0.036						
				AE-134D V0023 AE-134D W0023				Product:			0.05	1.35	0.008	0.005	0.15	0.27	0.13	0.09	0.04	0.011	0.040	0.00	0.07	0.011	0.02	0.0002	0.21	0.0017	0.000	0.036						
								Product:			0.05	1.34	0.007	0.004	0.14	0.26	0.13	0.09	0.04	0.011	0.041	0.00	0.07	0.011	0.02	0.0001	0.20	0.0020	0.000	0.035						
								EVRAZ Regina - 409387				AE-134D 14021-N AE-134D 14021-N AE-134D 14227-J AE-134D 14227-J				MILL CONTROL			PIPE TPA				37.650		475		584		33.7		0.81					
MILL CONTROL			PIPE TWA				38.499									604		0.0		0.00																
LOT QUALIFIER			PIPE TPA				37.770									545		620		34.4		0.88														
				AE-134D V0006 AE-134D W0006				LOT QUALIFIER			PIPE TWA				38.400		598		0.0		0.00															
								Heat:			0.05	1.34	0.010	0.006	0.16	0.26	0.12	0.10	0.04	0.010	0.044	0.00					0.07	0.009	0.02	0.0003	0.21	0.0014	0.004	0.043		
								Product:			0.05	1.35	0.010	0.006	0.17	0.25	0.12	0.10	0.04	0.011	0.048	0.00					0.07	0.000	0.02	0.0002	0.21	0.0011	0.000	0.045		
				AE-134D V0006 AE-134D W0006				Product:			0.05	1.34	0.008	0.006	0.16	0.23	0.11	0.10	0.04	0.011	0.053	0.00	0.07	0.010	0.02	0.0002	0.21	0.0017	0.001	0.051						
								EVRAZ Regina - 409388				AE-134D 13467-T AE-134D 13467-T AE-134D 18671-F AE-134D 18671-F AE-134D 18674-S AE-134D 18685-M				MILL CONTROL			PIPE TPA				37.559		495		589		35.6		0.84					
																MILL CONTROL			PIPE TWA				38.430		595		0.0		0.00							
LOT QUALIFIER			PIPE TPA				37.879									508		583		36.8		0.87														
				AE-134D 18671-F AE-134D 18671-F AE-134D 18674-S AE-134D 18685-M				LOT QUALIFIER			PIPE TWA				38.580		601		0.0		0.00															
								APPLY / TEST			PIPE TPA				38.001		511		585		37.1						0.87									
								APPLY / TEST			PIPE TPA				38.070		502		580		36.1						0.87									
				AE-134D 34 AE-134D 386				Heat:			0.05	1.34	0.010	0.002	0.14	0.22	0.10	0.08	0.03	0.009	0.043	0.00	0.07	0.008	0.02	0.0002	0.20	0.0026	0.003	0.042						
								Product:			0.05	1.35	0.010	0.003	0.14	0.22	0.10	0.08	0.03	0.010	0.047	0.00	0.07	0.009	0.02	0.0001	0.20	0.0022	0.000	0.042						
								Product:			0.06	1.33	0.011	0.001	0.14	0.25	0.10	0.11	0.03	0.010	0.038	0.00	0.07	0.009	0.02	0.0001	0.21	0.0018	0.000	0.034						
EVRAZ Regina - 409389				AE-134D 16883 AE-134D 16883-J AE-134D 16899 AE-136A 23643 AE-136A 23643				MILL CONTROL			PIPE TWA				38.481				603		0.0		0.00													
								MILL CONTROL			PIPE TPA				37.861		471		589		35.4		0.80													
								APPLY / TEST			PIPE TPA				37.810		509		593		34.4		0.86													
				AE-136A 23643 AE-136A 23643				MILL CONTROL			PIPE TPA				38.070		511		584		33.9		0.87													
								MILL CONTROL			PIPE TWA				38.290		598		0.0		0.00															
								Heat:			0.05	1.34	0.012	0.004	0.13	0.27	0.10	0.13	0.03	0.010	0.032	0.00	0.07	0.008					0.02	0.0003	0.21	0.0017	0.003	0.032		
				AE-134D V0016 AE-136A V0016 AE-134D W0016 AE-136A W0016				Product:			0.04	1.35	0.013	0.004	0.14	0.26	0.10	0.13	0.03	0.011	0.034	0.00	0.07	0.010	0.02	0.0002	0.20	0.0018	0.000	0.032						
								Product:			0.04	1.35	0.013	0.004	0.14	0.26	0.10	0.13	0.03	0.011	0.034	0.00	0.07	0.010	0.02	0.0002	0.20	0.0018	0.000	0.032						
								Product:			0.05	1.34	0.012	0.004	0.14	0.26	0.10	0.13	0.03	0.010	0.034	0.00	0.07	0.009	0.02	0.0002	0.21	0.0017	0.000	0.032						
				AE-134D V0016 AE-136A W0016				Product:			0.05	1.34	0.012	0.004	0.14	0.26	0.10	0.13	0.03	0.010	0.034	0.00	0.07	0.009	0.02	0.0002	0.21	0.0017	0.000	0.032						
								EVRAZ Regina - 409390				AE-134D 15194-M AE-134D 15194-M AE-134D 15284-L AE-134D 15284-L				MILL CONTROL			PIPE TPA				37.501		488		576		38.2		0.85					
																MILL CONTROL			PIPE TWA				38.440		588		0.0		0.00							
LOT QUALIFIER			PIPE TPA				37.640									529		605		38.8		0.87														
				AE-134D 15284-L				LOT QUALIFIER			PIPE TWA				38.410		586		0.0		0.00															
								Heat:			0.04	1.34	0.009	0.002	0.18	0.24	0.09	0.12	0.03	0.009	0.045	0.00					0.07	0.011	0.02	0.0002	0.20	0.0022	0.003	0.043		
								Product:			0.04	1.35	0.009	0.002	0.18	0.23	0.09	0.12	0.03	0.009	0.047	0.00					0.07	0.012	0.02	0.0002	0.20	0.0021	0.000	0.045		
				AE-134D V0022 AE-134D W0022				Product:			0.05	1.34	0.009	0.002	0.18	0.23	0.09	0.12	0.03	0.009	0.047	0.00	0.07	0.011	0.02	0.0002	0.20	0.0020	0.000	0.045						
								EVRAZ Regina - 409391				AE-134D 13557 AE-134D 13557-F				MILL CONTROL			PIPE TPA				37.589		501		614		37.8		0.82					
																MILL CONTROL			PIPE TWA				38.451		600		0.0		0.00							
Heat:			0.05	1.32	0.010	0.002	0.13									0.23	0.09	0.13	0.02	0.010	0.039	0.00	0.07	0.009	0.02	0.0002	0.20	0.0027	0.003	0.036						
				AE-134D V0026 AE-134D W0026				Product:			0.05	1.32	0.010	0.002	0.12	0.22	0.09	0.14	0.02	0.009	0.041	0.00	0.07	0.010	0.02	0.0001	0.20	0.0023	0.000	0.039						
								Product:			0.05	1.32	0.010	0.002	0.12	0.22	0.09	0.14	0.02	0.009	0.041	0.00	0.07	0.010	0.02	0.0001	0.20	0.0021	0.000	0.039						
								EVRAZ Regina - 409392				AE-134D 15103-M AE-134D 15103-M				MILL CONTROL			PIPE TPA				37.559		499		584		36.9		0.85					
MILL CONTROL			PIPE TWA				38.430									599		0.0		0.00																
Heat:			0.04	1.32	0.009	0.001	0.16									0.26	0.11	0.10	0.03	0.010	0.045	0.00	0.07	0.009	0.02	0.0002	0.20	0.0023	0.003	0.039						
				AE-134D V0033 AE-134D W0033				Product:			0.05	1.33	0.009	0.001	0.16	0.25	0.11	0.10	0.04	0.010	0.048	0.00	0.07	0.009	0.02	0.0001	0.20	0.0028	0.000	0.046						
								Product:			0.04	1.31	0.008	0.001	0.16	0.25	0.10	0.10	0.03	0.009	0.048	0.00	0.07	0.009	0.02	0.0001	0.20	0.0028	0.000	0.046						
								EVRAZ Regina - 409393				AE-134D 13811-K AE-134D 13811-K AE-134D 13916-N AE-134D 13916-N				MILL CONTROL			PIPE TPA				37.661		491		587		33.8		0.84					
MILL CONTROL			PIPE TWA				38.451									606		0.0		0.00																
LOT QUALIFIER			PIPE TPA				37.681									499		595		36.6		0.84														
				AE-134D 13916-N				LOT QUALIFIER			PIPE TWA				38.509		599		0.0		0.00															
								Heat:			0.05	1.33	0.008	0.004	0.14	0.33	0.13	0.08	0.05	0.012	0.047	0.00					0.07	0.010	0.02	0.0002	0.21	0.0020	0.003	0.046		

<div></div> <div>Camrose ERW</div>		EVRAZ Camrose																		Friday, April 20, 2018, 12:35:59							
		CERTIFICATE OF TESTING																		Certificate ID: 187579-3							
		Tensile & Chemistry																		Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01							
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																	
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T						
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl			
EVRAZ Regina - 409435	AE-134D	V0039	Product:	0.05	1.33	0.008	0.002	0.15	0.31	0.13	0.08	0.05	0.013	0.053	0.00	0.07	0.011	0.02	0.0001	0.21	0.0029	0.000	0.051				
	AE-134D	W0039	Product:	0.05	1.33	0.008	0.004	0.15	0.32	0.13	0.08	0.05	0.012	0.052	0.00	0.07	0.010	0.02	0.0001	0.21	0.0026	0.000	0.050				
	AE-134D	15613-S	MILL CONTROL	PIPE TPA						37.879		489		593		35.2		0.82									
	AE-134D	15613-S	MILL CONTROL	PIPE TWA						38.379				616		0.0		0.00									
	AE-134D	15657-M	APPLY / TEST	PIPE TPA						37.889		513		606		35.0		0.85									
			Heat:	0.05	1.35	0.010	0.003	0.17	0.29	0.16	0.12	0.06	0.010	0.039	0.00	0.07	0.009	0.02	0.0002	0.22	0.0024	0.002	0.038				
	AE-134D	V0002	Product:	0.05	1.37	0.011	0.002	0.18	0.29	0.16	0.12	0.06	0.011	0.044	0.00	0.08	0.011	0.02	0.0002	0.21	0.0023	0.000	0.041				
	AE-134D	W0002	Product:	0.04	1.35	0.010	0.002	0.18	0.29	0.16	0.12	0.06	0.011	0.044	0.00	0.07	0.008	0.02	0.0002	0.21	0.0030	0.000	0.042				
EVRAZ Regina - 409436	AE-134D	13375-F	MILL CONTROL	PIPE TPA						37.600		481		588		36.0		0.82									
	AE-134D	13375-f	MILL CONTROL	PIPE TWA						38.461				609		0.0		0.00									
			Heat:	0.05	1.37	0.009	0.003	0.18	0.31	0.16	0.14	0.06	0.013	0.050	0.00	0.07	0.012	0.02	0.0002	0.22	0.0027	0.002	0.049				
	AE-134D	V0005	Product:	0.05	1.37	0.008	0.003	0.18	0.30	0.16	0.14	0.06	0.013	0.058	0.00	0.07	0.012	0.02	0.0001	0.22	0.0035	0.000	0.000				
	AE-134D	W0005	Product:	0.05	1.38	0.008	0.003	0.17	0.30	0.16	0.14	0.06	0.014	0.057	0.00	0.07	0.012	0.02	0.0002	0.22	0.0027	0.000	0.055				
	EVRAZ Regina - 409437	AE-134D	14124-K	MILL CONTROL	PIPE TPA						37.589		489		579		37.6		0.85								
		AE-134D	14124-K	MILL CONTROL	PIPE TWA						38.440				591		0.0		0.00								
		AE-134D	17714-H	LOT QUALIFIER	PIPE TPA						37.910		484		583		36.7		0.83								
AE-134D		17714-H	LOT QUALIFIER	PIPE TWA						38.539				610		0.0		0.00									
			Heat:	0.04	1.34	0.009	0.004	0.15	0.29	0.13	0.10	0.05	0.012	0.046	0.00	0.07	0.011	0.02	0.0002	0.20	0.0023	0.002	0.045				
AE-134D		V0016	Product:	0.04	1.35	0.009	0.004	0.15	0.28	0.13	0.10	0.05	0.012	0.048	0.00	0.07	0.011	0.02	0.0001	0.20	0.0019	0.000	0.046				
AE-134D		W0015	Product:	0.04	1.35	0.009	0.004	0.15	0.28	0.13	0.10	0.05	0.012	0.049	0.00	0.07	0.011	0.02	0.0001	0.20	0.0019	0.000	0.047				
EVRAZ Regina - 409438		AE-134D	14376-S	MILL CONTROL	PIPE TPA						37.681		484		585		35.8		0.83								
	AE-134D	14376-S	MILL CONTROL	PIPE TWA						38.430				600		0.0		0.00									
			Heat:	0.05	1.33	0.008	0.003	0.16	0.29	0.12	0.08	0.05	0.012	0.046	0.00	0.07	0.012	0.02	0.0002	0.20	0.0024	0.003	0.045				
	AE-134D	V0022	Product:	0.06	1.33	0.009	0.003	0.16	0.28	0.12	0.08	0.05	0.012	0.048	0.00	0.07	0.013	0.02	0.0001	0.21	0.0031	0.000	0.046				
	AE-134D	W0022	Product:	0.05	1.34	0.008	0.003	0.16	0.28	0.12	0.08	0.05	0.012	0.049	0.00	0.07	0.012	0.02	0.0001	0.20	0.0024	0.000	0.047				
	EVRAZ Regina - 409439	AE-134D	15493-K	MILL CONTROL	PIPE TPA						37.970		471		577		36.1		0.82								
		AE-134D	15493-K	MILL CONTROL	PIPE TWA						38.390				599		0.0		0.00								
				Heat:	0.05	1.34	0.008	0.003	0.15	0.31	0.14	0.09	0.05	0.011	0.047	0.00	0.07	0.013	0.02	0.0002	0.21	0.0022	0.002	0.046			
AE-134D		V0029	Product:	0.04	1.34	0.008	0.003	0.16	0.30	0.14	0.09	0.05	0.011	0.051	0.00	0.07	0.014	0.02	0.0001	0.20	0.0021	0.000	0.049				
AE-134D		W0029	Product:	0.04	1.33	0.008	0.003	0.15	0.30	0.14	0.09	0.05	0.011	0.050	0.00	0.07	0.014	0.02	0.0001	0.20	0.0021	0.000	0.048				
EVRAZ Regina - 409440		AE-134D	16087-K	MILL CONTROL	PIPE TPA						38.110		477		582		39.0		0.82								
		AE-134D	16087-K	MILL CONTROL	PIPE TWA						38.390				596		0.0		0.00								
		AE-134D	18135-F	LOT QUALIFIER	PIPE TPA						37.899		483		588		36.5		0.82								
	AE-134D	18135-F	LOT QUALIFIER	PIPE TWA						38.331				602		0.0		0.00									
			Heat:	0.04	1.32	0.008	0.002	0.18	0.31	0.13	0.10	0.04	0.011	0.046	0.00	0.07	0.011	0.02	0.0002	0.20	0.0020	0.002	0.045				
	AE-134D	V0035	Product:	0.04	1.33	0.008	0.002	0.19	0.30	0.13	0.10	0.05	0.011	0.051	0.00	0.07	0.011	0.02	0.0002	0.20	0.0027	0.000	0.049				
	AE-134D	V0036	Product:	0.04	1.33	0.008	0.003	0.19	0.30	0.13	0.09	0.04	0.012	0.049	0.00	0.07	0.013	0.02	0.0002	0.20	0.0019	0.000	0.047				
	AE-134D	W0035	Product:	0.05	1.33	0.008	0.002	0.19	0.30	0.13	0.09	0.05	0.011	0.050	0.00	0.07	0.011	0.02	0.0001	0.20	0.0024	0.000	0.048				
EVRAZ Regina - 409441	AE-134D	14561-K	MILL CONTROL	PIPE TPA						37.541		497		582		34.0		0.85									
	AE-134D	14561-K	MILL CONTROL	PIPE TWA						38.451				595		0.0		0.00									
	AE-134D	14610-V	APPLY / TEST	PIPE TPA						37.610		507		587		38.7		0.86									
	AE-134D	14638-H	LOT QUALIFIER	PIPE TPA						37.790		488		576		34.7		0.85									
	AE-134D	14638-H	LOT QUALIFIER	PIPE TWA						38.481				597		0.0		0.00									
	AE-134D	14670-F	APPLY / TEST	PIPE TPA						37.531		493		574		37.8		0.86									
			Heat:	0.05	1.34	0.008	0.004	0.15	0.27	0.11	0.08	0.03	0.011	0.051	0.00	0.06	0.010	0.02	0.0002	0.20	0.0028	0.002	0.050				
	AE-134D	V0043	Product:	0.05	1.36	0.008	0.004	0.16	0.26	0.11	0.08	0.03	0.011	0.060	0.00	0.07	0.011	0.02	0.0001	0.20	0.0028	0.000	0.058				
AE-134D	W0043	Product:	0.04	1.34	0.008	0.004	0.15	0.27	0.11	0.08	0.03	0.010	0.058	0.00	0.06	0.012	0.02	0.0001	0.20	0.0027	0.000	0.056					
EVRAZ Regina - 409442	AE-134D	14685-V	MILL CONTROL	PIPE TPA						37.661		518		592		33.1		0.88									
	AE-134D	14685-V	MILL CONTROL	PIPE TWA						38.430				608		0.0		0.00									
	AE-134D	14765-N	LOT QUALIFIER	PIPE TPA						37.650		481		586		36.6		0.82									
	AE-134D	14765-N	LOT QUALIFIER	PIPE TWA						38.379				604		0.0		0.00									
			Heat:	0.04	1.33	0.014	0.002	0.18	0.30	0.11	0.11	0.03	0.012	0.045	0.00	0.07	0.009	0.02	0.0002	0.20	0.0025	0.002	0.045				
	AE-134D	V0049	Product:	0.04	1.35	0.013	0.002	0.19	0.29	0.11	0.12	0.03	0.012	0.052	0.00	0.07	0.010	0.02	0.0001	0.20	0.0022	0.000	0.050				
	AE-134D	V0050	Product:	0.04	1.35	0.014	0.002	0.19	0.29	0.11	0.12	0.03	0.012	0.052	0.00	0.07	0.010	0.02	0.0001	0.20	0.0024	0.000	0.050				
	EVRAZ Regina - 409486	AE-134D	15941-F	MILL CONTROL	PIPE TPA						37.810		480		581		34.7		0.83								
AE-134D		15941-f	MILL CONTROL	PIPE TWA						38.430				603		0.0		0.00									
			Heat:	0.05	1.37	0.007	0.004	0.12	0.33	0.14	0.08	0.05	0.012	0.038	0.00	0.07	0.012	0.02	0.0002	0.21	0.0020	0.003	0.037				
AE-134D		V0009	Product:	0.05	1.38	0.007	0.004	0.13	0.32	0.14	0.09	0.05	0.013	0.041	0.00	0.07	0.014	0.02	0.0001	0.21	0.0027	0.000	0.039				
AE-134D		W0009	Product:	0.05	1.37	0.007	0.004	0.13	0.32	0.14	0.09	0.05	0.012	0.041	0.00	0.07	0.013	0.02	0.0001	0.21	0.0033	0.000	0.039				
EVRAZ Regina - 409487		AE-134D	17747-K	MILL CONTROL	PIPE TPA						38.100		463		596		31.6		0.78								
		AE-134D	17747-K	MILL CONTROL	PIPE TWA						38.519				617		0.0		0.00								



Friday, April 20, 2018, 12:35:59

Certificate ID: 187579-3

Customer PO: **APPL 45709**

Customer: ALBERTA PRODUCTS PIPE LINE LTD.

Diameter: 323.9 mm

Wall Thickness: 9.500 mm


Grade: **GR.414-2**


Mill Order No: **WA 054675-01**


Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements


Page 8 of 106


EVRAZ Camrose																			Friday, April 20, 2018, 12:35:59							
CERTIFICATE OF TESTING																			Certificate ID: 187579-3							
Tensile & Chemistry																			Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2									Mill Order No: WA 054675-01							
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																										
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T					
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl		
		AE-134D	V0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0.00	0.07	0.009	0.02	0.0001	0.21	0.0017	0.000	0.032		
		AE-136A	V0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0.00	0.07	0.009	0.02	0.0001	0.21	0.0017	0.000	0.032		
		AE-134D	W0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0.00	0.07	0.009	0.02	0.0001	0.21	0.0020	0.000	0.032		
		AE-136A	W0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0.00	0.07	0.009	0.02	0.0001	0.21	0.0020	0.000	0.032		
EVRAZ Regina - 409572		AE-134D	19852-T	MILL CONTROL					PIPE TPA				38.011		463		581		34.2		0.80					
		AE-134D	19852-T	MILL CONTROL					PIPE TWA				38.600				593		0.0		0.00					
				Heat:	0.04	1.37	0.008	0.004	0.18	0.30	0.09	0.11	0.03	0.010	0.046	0.00	0.07	0.012	0.02	0.0003	0.21	0.0020	0.003	0.044		
		AE-134D	V0009	Product:	0.04	1.39	0.008	0.004	0.18	0.30	0.09	0.12	0.03	0.010	0.048	0.00	0.07	0.012	0.02	0.0001	0.21	0.0020	0.000	0.046		
		AE-134D	W0009	Product:	0.04	1.39	0.008	0.004	0.18	0.30	0.09	0.12	0.03	0.010	0.048	0.00	0.07	0.012	0.02	0.0001	0.21	0.0019	0.000	0.046		
EVRAZ Regina - 409573		AE-134D	19522-T	MILL CONTROL					PIPE TPA				37.810		497		600		36.2		0.83					
		AE-134D	19522-T	MILL CONTROL					PIPE TWA				38.560				607		0.0		0.00					
				Heat:	0.05	1.32	0.011	0.004	0.20	0.32	0.11	0.13	0.04	0.011	0.041	0.00	0.07	0.010	0.02	0.0003	0.21	0.0022	0.003	0.038		
		AE-134D	V0019	Product:	0.04	1.32	0.011	0.004	0.20	0.31	0.11	0.13	0.04	0.011	0.044	0.00	0.07	0.010	0.02	0.0002	0.21	0.0039	0.000	0.042		
		AE-134D	W0019	Product:	0.05	1.34	0.011	0.004	0.20	0.31	0.11	0.13	0.04	0.011	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0031	0.000	0.041		
EVRAZ Regina - 409574		AE-134D	18475-J	MILL CONTROL					PIPE TPA				38.151		503		603		34.3		0.83					
		AE-134D	18475-J	MILL CONTROL					PIPE TWA				38.471				618		0.0		0.00					
				Heat:	0.05	1.33	0.010	0.002	0.20	0.27	0.11	0.13	0.04	0.009	0.055	0.00	0.07	0.008	0.02	0.0003	0.21	0.0027	0.003	0.053		
		AE-134D	V0025	Product:	0.05	1.34	0.010	0.002	0.20	0.26	0.11	0.13	0.04	0.009	0.060	0.00	0.07	0.008	0.02	0.0002	0.21	0.0021	0.000	0.057		
		AE-134D	W0025	Product:	0.05	1.33	0.009	0.002	0.19	0.26	0.11	0.13	0.04	0.009	0.059	0.00	0.07	0.009	0.02	0.0002	0.21	0.0027	0.000	0.056		
EVRAZ Regina - 409576		AE-134D	19596-F	MILL CONTROL					PIPE TPA				38.029		498		600		35.0		0.83					
		AE-134D	19596-F	MILL CONTROL					PIPE TWA				38.590				612		0.0		0.00					
				Heat:	0.05	1.34	0.007	0.001	0.19	0.29	0.16	0.08	0.05	0.010	0.040	0.00	0.07	0.009	0.02	0.0003	0.21	0.0012	0.003	0.039		
		AE-134D	V0039	Product:	0.04	1.37	0.007	0.001	0.20	0.29	0.16	0.09	0.05	0.010	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0021	0.000	0.038		
		AE-134D	W0039	Product:	0.04	1.36	0.007	0.001	0.20	0.28	0.16	0.09	0.05	0.009	0.042	0.00	0.07	0.009	0.02	0.0001	0.21	0.0022	0.000	0.038		
EVRAZ Regina - 409607		AE-134D	19205-V	MILL CONTROL					PIPE TPA				38.021		562		645		35.1		0.87					
		AE-134D	19205-V	MILL CONTROL					PIPE TWA				38.570				615		0.0		0.00					
				Heat:	0.04	1.36	0.012	0.002	0.17	0.30	0.12	0.17	0.04	0.012	0.053	0.00	0.07	0.008	0.02	0.0002	0.21	0.0015	0.002	0.052		
		AE-134D	V0013	Product:	0.04	1.36	0.012	0.003	0.18	0.29	0.12	0.17	0.04	0.013	0.057	0.00	0.07	0.009	0.02	0.0001	0.21	0.0017	0.000	0.051		
		AE-134D	W0013	Product:	0.04	1.36	0.011	0.003	0.18	0.29	0.12	0.17	0.04	0.013	0.057	0.00	0.07	0.008	0.02	0.0001	0.21	0.0016	0.000	0.055		
EVRAZ Regina - 409608		AE-134D	19117-F	MILL CONTROL					PIPE TPA				37.899		480		580		34.9		0.83					
		AE-134D	19117-F	MILL CONTROL					PIPE TWA				38.550				586		0.0		0.00					
				Heat:	0.04	1.28	0.008	0.005	0.11	0.27	0.12	0.08	0.06	0.010	0.039	0.00	0.07	0.012	0.02	0.0002	0.20	0.0019	0.002	0.038		
		AE-134D	W0019	Product:	0.04	1.28	0.007	0.005	0.11	0.26	0.12	0.09	0.06	0.010	0.041	0.00	0.06	0.012	0.02	0.0001	0.19	0.0024	0.000	0.038		
		AE-134D	W0020	Product:	0.04	1.28	0.007	0.005	0.12	0.26	0.12	0.09	0.06	0.010	0.042	0.00	0.06	0.012	0.02	0.0001	0.19	0.0018	0.000	0.038		
EVRAZ Regina - 409609		AE-134D	19771-S	MILL CONTROL					PIPE TPA				37.910		482		586		36.7		0.82					
		AE-134D	19771-S	MILL CONTROL					PIPE TWA				38.580				598		0.0		0.00					
		AE-136A	24414	MILL CONTROL					PIPE TPA				37.940		494		604		33.5		0.82					
		AE-136A	24414-J	MILL CONTROL					PIPE TWA				38.461				618		0.0		0.00					
				Heat:	0.04	1.37	0.008	0.002	0.18	0.33	0.12	0.09	0.04	0.012	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0017	0.003	0.039		
		AE-134D	V0030	Product:	0.04	1.38	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.012	0.044	0.00	0.07	0.011	0.02	0.0001	0.21	0.0018	0.000	0.040		
		AE-136A	V0030	Product:	0.04	1.38	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.012	0.044	0.00	0.07	0.011	0.02	0.0001	0.21	0.0018	0.000	0.040		
		AE-134D	W0030	Product:	0.04	1.37	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.011	0.044	0.00	0.07	0.011	0.02	0.0001	0.21	0.0021	0.000	0.041		
		AE-136A	W0030	Product:	0.04	1.37	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.011	0.044	0.00	0.07	0.011	0.02	0.0001	0.21	0.0021	0.000	0.041		
EVRAZ Regina - 409650		AE-134D	20631-L	MILL CONTROL					PIPE TPA				38.090		530		663		32.9		0.80					
		AE-134D	20631-L	MILL CONTROL					PIPE TWA				38.580				643		0.0		0.00					
		AE-134D	21183-L	LOT QUALIFIER					PIPE TPA				38.270		540		643		31.6		0.84					
		AE-134D	21183-L	LOT QUALIFIER					PIPE TWA				38.651				656		0.0		0.00					
				Heat:	0.08	1.31	0.008	0.004	0.19	0.38	0.16	0.11	0.06	0.014	0.043	0.00	0.07	0.008	0.02	0.0003	0.26	0.0035	0.002	0.042		
		AE-134D	V0005	Product:	0.07	1.33	0.008	0.004	0.19	0.37	0.16	0.11	0.06	0.015	0.046	0.00	0.07	0.008	0.02	0.0002	0.25	0.0023	0.000	0.044		
		AE-134D	V0006	Product:	0.07	1.31	0.008	0.004	0.19	0.37	0.16	0.11	0.06	0.014	0.044	0.00	0.07	0.008	0.02	0.0001	0.25	0.0025	0.000	0.042		
EVRAZ Regina - 409651		AE-134D	21005-H	MILL CONTROL					PIPE TPA				38.161		497		599		31.5		0.83					
		AE-134D	21005-H	MILL CONTROL					PIPE TWA				38.600				618		0.0		0.00					
				Heat:	0.05	1.34	0.008	0.004	0.19	0.37	0.14	0.11	0.05	0.012	0.042	0.00	0.07	0.008	0.02	0.0002	0.21	0.0006	0.001	0.041		
		AE-134D	V0002	Product:	0.04	1.36	0.008	0.004	0.20	0.36	0.14	0.11	0.05	0.013	0.046	0.00	0.07	0.009	0.02	0.0002	0.21	0.0007	0.000	0.044		
		AE-134D	W0002	Product:	0.05	1.34	0.007	0.004	0.19	0.36	0.14	0.11	0.05	0.012	0.045	0.00	0.07	0.008	0.02	0.0001	0.21	0.0007	0.000	0.043		
EVRAZ Regina - 409652		AE-134D	20111-M	MILL CONTROL					PIPE TPA				38.059		456		576		37.6		0.79					
		AE-134D	20111-M	MILL CONTROL					PIPE TWA				38.570				588		0.0		0.00					
				Heat:	0.05	1.36	0.008	0.004	0.16	0.36	0.11	0.08	0.05	0.013	0.034	0.00	0.07	0.009	0.01	0.0002	0.22	0.0025	0.000	0.033		
		AE-134D	V0009	Product:	0.05	1.35	0.008	0.003	0.16	0.35	0.10	0.08	0.05	0.012	0.036	0.00	0.07	0.009	0.02	0.0001	0.21	0.0022	0.000	0.034		
		AE-134D	W0009	Product:	0.05	1.36	0.007	0.003	0.16	0.34	0.10	0.08	0.05	0.012	0.037	0.00	0.07	0.009	0.02	0.0001	0.21	0.0023	0.000	0.035		
EVRAZ Regina - 409653		AE-134D	20225-S	MILL CONTROL					PIPE TPA				38.059		465		571		40.9		0.81					


<div></div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																		Friday, April 20, 2018, 12:35:59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Supplier - Heat			Product ID			Test Type			Orientation			Width (mm)			YS (MPa)			UTS (MPa)			Elong% (50mm)			Y/T			CEQ			Ca			Ce			SoAl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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			AE-134D 20225-S AE-136A 24069-V AE-136A 24069-V			MILL CONTROL MILL CONTROL MILL CONTROL			PIPE TWA PIPE TPA PIPE TWA			38.621 37.960 38.410			488			587 586 596			0.0 36.9 0.0			0.00 0.83 0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																Friday, April 20, 2018, 12:35:59							
																		Certificate ID: 187579-3							
																		Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2 Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements										Mill Order No: WA 054675-01					
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)		YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T						
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl	
EVRAZ Regina - 409685	AE-134D	W0029	Product:	0.04	1.32	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0.00	0.07	0.011	0.02	0.0001	0.20	0.0019	0.000	0.041		
	AE-136A	W0029	Product:	0.04	1.32	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0.00	0.07	0.011	0.02	0.0001	0.20	0.0019	0.000	0.041		
	AE-136A	22635-L	MILL CONTROL	PIPE TPA							37.869		486		596		36.0		0.82						
	AE-136A	22635-L	MILL CONTROL	PIPE TWA							38.699				598		0.0		0.00						
			Heat:	0.05	1.33	0.010	0.003	0.12	0.35	0.12	0.10	0.05	0.012	0.035	0.00	0.07	0.009	0.01	0.0002	0.21	0.0021	0.000	0.034		
	AE-134D	V0002	Product:	0.04	1.33	0.009	0.003	0.12	0.34	0.12	0.10	0.05	0.011	0.037	0.00	0.07	0.010	0.01	0.0001	0.20	0.0019	0.000	0.035		
	AE-136A	V0002	Product:	0.04	1.33	0.009	0.003	0.12	0.34	0.12	0.10	0.05	0.011	0.037	0.00	0.07	0.010	0.01	0.0001	0.20	0.0019	0.000	0.035		
	AE-134D	W0002	Product:	0.04	1.34	0.010	0.002	0.12	0.34	0.13	0.10	0.05	0.012	0.037	0.00	0.07	0.008	0.01	0.0001	0.20	0.0023	0.000	0.035		
	AE-136A	W0002	Product:	0.04	1.34	0.010	0.002	0.12	0.34	0.13	0.10	0.05	0.012	0.037	0.00	0.07	0.008	0.01	0.0001	0.20	0.0023	0.000	0.035		
EVRAZ Regina - 409686	AE-136A	23965-T	MILL CONTROL	PIPE TPA							38.090		476		592		34.6		0.81						
	AE-136A	23965-T	MILL CONTROL	PIPE TWA							38.420				600		0.0		0.00						
	AE-136A	25811	LOT QUALIFIER	PIPE TPA							37.930		497		593		35.1		0.84						
	AE-136A	25811-S	LOT QUALIFIER	PIPE TWA							38.471				602		0.0		0.00						
			Heat:	0.05	1.39	0.009	0.004	0.12	0.27	0.10	0.14	0.03	0.010	0.037	0.00	0.07	0.009	0.02	0.0002	0.21	0.0020	0.000	0.036		
	AE-134D	V0010	Product:	0.05	1.38	0.008	0.005	0.11	0.26	0.10	0.14	0.03	0.009	0.039	0.00	0.07	0.009	0.02	0.0001	0.21	0.0021	0.000	0.037		
	AE-136A	V0010	Product:	0.05	1.38	0.008	0.005	0.11	0.26	0.10	0.14	0.03	0.009	0.039	0.00	0.07	0.009	0.02	0.0001	0.21	0.0021	0.000	0.037		
	AE-134D	W0010	Product:	0.05	1.38	0.009	0.004	0.12	0.26	0.10	0.14	0.03	0.010	0.039	0.00	0.07	0.010	0.02	0.0001	0.21	0.0025	0.000	0.037		
	AE-136A	W0010	Product:	0.05	1.38	0.009	0.004	0.12	0.26	0.10	0.14	0.03	0.010	0.039	0.00	0.07	0.010	0.02	0.0001	0.21	0.0025	0.000	0.037		
EVRAZ Regina - 409687	AE-136A	26482	MILL CONTROL	PIPE TPA							38.321		529		626		35.5		0.85						
	AE-136A	26482	MILL CONTROL	PIPE TWA							38.359				612		0.0		0.00						
			Heat:	0.05	1.37	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.010	0.043	0.00	0.07	0.009	0.02	0.0002	0.21	0.0011	0.000	0.042		
	AE-134D	V0016	Product:	0.05	1.39	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.010	0.045	0.00	0.07	0.009	0.02	0.0001	0.22	0.0011	0.000	0.043		
	AE-136A	V0016	Product:	0.05	1.39	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.010	0.045	0.00	0.07	0.009	0.02	0.0001	0.22	0.0011	0.000	0.043		
	AE-134D	W0016	Product:	0.05	1.37	0.009	0.003	0.12	0.27	0.12	0.12	0.05	0.010	0.044	0.00	0.06	0.009	0.02	0.0001	0.21	0.0013	0.000	0.042		
	AE-136A	W0016	Product:	0.05	1.37	0.009	0.003	0.12	0.27	0.12	0.12	0.05	0.010	0.044	0.00	0.06	0.009	0.02	0.0001	0.21	0.0013	0.000	0.042		
	EVRAZ Regina - 409688	AE-136A	26839	MILL CONTROL	PIPE TWA							38.339				605		0.0		0.00					
		AE-136A	26839-M	MILL CONTROL	PIPE TPA							38.021		497		595		34.7		0.84					
AE-136A		26942	LOT QUALIFIER	PIPE TWA							38.420				612		0.0		0.00						
AE-136A		26942-S	LOT QUALIFIER	PIPE TPA							37.930		503		596		34.7		0.84						
			Heat:	0.05	1.36	0.011	0.003	0.18	0.31	0.12	0.15	0.04	0.011	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0019	0.001	0.041		
AE-134D		V0023	Product:	0.05	1.35	0.010	0.003	0.17	0.30	0.12	0.16	0.04	0.010	0.042	0.00	0.06	0.010	0.02	0.0002	0.21	0.0022	0.001	0.041		
AE-136A		V0023	Product:	0.05	1.35	0.010	0.003	0.17	0.30	0.12	0.16	0.04	0.010	0.042	0.00	0.06	0.010	0.02	0.0002	0.21	0.0022	0.001	0.041		
AE-134D		W0023	Product:	0.05	1.37	0.011	0.003	0.17	0.31	0.13	0.16	0.04	0.011	0.042	0.00	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.041		
AE-136A		W0023	Product:	0.05	1.37	0.011	0.003	0.17	0.31	0.13	0.16	0.04	0.011	0.042	0.00	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.041		
EVRAZ Regina - 409714	AE-136A	26631	MILL CONTROL	PIPE TPA							38.171		464		592		35.5		0.78						
	AE-136A	26631-M	MILL CONTROL	PIPE TWA							38.461				604		0.0		0.00						
			Heat:	0.04	1.38	0.007	0.003	0.20	0.27	0.13	0.08	0.06	0.010	0.058	0.00	0.07	0.012	0.02	0.0002	0.21	0.0030	0.000	0.058		
	AE-134D	V0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.063	0.00	0.07	0.013	0.02	0.0001	0.20	0.0026	0.000	0.060		
	AE-136A	V0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.063	0.00	0.07	0.013	0.02	0.0001	0.20	0.0026	0.000	0.060		
	AE-134D	W0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.064	0.00	0.07	0.012	0.02	0.0001	0.20	0.0029	0.000	0.062		
	AE-136A	W0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.064	0.00	0.07	0.012	0.02	0.0001	0.20	0.0029	0.000	0.062		
	EVRAZ Regina - 409715	AE-136A	23687	MILL CONTROL	PIPE TPA							38.260		490		588		34.9		0.83					
		AE-136A	23687-M	LOT QUALIFIER	PIPE TWA							38.461				608		0.0		0.00					
			Heat:	0.05	1.33	0.010	0.002	0.17	0.38	0.13	0.08	0.06	0.012	0.041	0.00	0.07	0.012	0.02	0.0002	0.21	0.0021	0.000	0.039		
AE-134D		V0012	Product:	0.05	1.34	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0.00	0.07	0.012	0.02	0.0003	0.22	0.0026	0.001	0.040		
AE-136A		V0012	Product:	0.05	1.34	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0.00	0.07	0.012	0.02	0.0003	0.22	0.0026	0.001	0.040		
AE-134D		W0012	Product:	0.05	1.35	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0.00	0.07	0.012	0.02	0.0003	0.22	0.0019	0.001	0.043		
AE-136A		W0012	Product:	0.05	1.35	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0.00	0.07	0.012	0.02	0.0003	0.22	0.0019	0.001	0.043		
EVRAZ Regina - 409716		AE-136A	26392	MILL CONTROL	PIPE TPA							38.001		490		588		33.5		0.83					
		AE-136A	26392-N	MILL CONTROL	PIPE TWA							38.481				611		0.0		0.00					
			Heat:	0.05	1.34	0.008	0.002	0.16	0.31	0.20	0.11	0.07	0.011	0.041	0.00	0.07	0.011	0.02	0.0002	0.21	0.0015	0.000	0.040		
	AE-134D	V0015	Product:	0.05	1.35	0.007	0.002	0.16	0.31	0.20	0.11	0.07	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0015	0.001	0.041		
	AE-136A	V0015	Product:	0.05	1.35	0.007	0.002	0.16	0.31	0.20	0.11	0.07	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0015	0.001	0.041		
	AE-134D	W0015	Product:	0.05	1.35	0.007	0.002	0.16	0.30	0.19	0.11	0.07	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0015	0.000	0.043		
	AE-136A	W0015	Product:	0.05	1.35	0.007	0.002	0.16	0.30	0.19	0.11	0.07	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.21	0.0015	0.000	0.043		
	EVRAZ Regina - 409717	AE-136A	22917	MILL CONTROL	PIPE TPA							37.960		529		617		31.5		0.86					
		AE-136A	22917	MILL CONTROL	PIPE TWA							38.631				602		0.0		0.00					
AE-136A		23805	LOT QUALIFIER	PIPE TPA							38.021		511		598		33.9		0.85						
AE-136A		23805-H	LOT QUALIFIER	PIPE TWA							38.331				582		0.0		0.00						
			Heat:	0.04	1.37	0.008	0.006	0.16	0.31	0.18	0.13	0.05	0.010	0.049	0.00	0.07	0.011	0.02	0.0002	0.21	0.0012	0.001	0.047		
AE-134D		V0019	Product:	0.05	1.38	0.008	0.006	0.16	0.30	0.18	0.13	0.05	0.010	0.050	0.00	0.07	0.011	0.02	0.0001	0.22	0.0010	0.000	0.048		
			Product:	0.05	1.38	0.008	0.006	0.16	0.30	0.18	0.13	0.05	0.010	0.050	0.00	0.07	0.011	0.02	0.0001	0.22	0.0010	0.000	0.048		


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																				Friday, April 20, 2018, 12:35:59			
																						Certificate ID: 187579-3			
																						Customer PO: APPL 45709			
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01					
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)		YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T						
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl	
EVRAZ Regina - 409718	AE-136A	V0019	Product:	0.05	1.38	0.008	0.006	0.16	0.30	0.18	0.13	0.05	0.010	0.050	0.00	0.07	0.011	0.02	0.0001	0.22	0.0010	0.000	0.048		
	AE-134D	W0019	Product:	0.05	1.37	0.008	0.006	0.16	0.31	0.17	0.13	0.05	0.010	0.049	0.00	0.07	0.011	0.02	0.0001	0.22	0.0011	0.000	0.047		
	AE-136A	W0019	Product:	0.05	1.37	0.008	0.006	0.16	0.31	0.17	0.13	0.05	0.010	0.049	0.00	0.07	0.011	0.02	0.0001	0.22	0.0011	0.000	0.047		
	AE-136A	24940-K	MILL CONTROL	PIPE TPA						37.851		492		589		37.7		0.84							
	AE-136A	24940-K	MILL CONTROL	PIPE TWA						38.430				604		0.0		0.00							
			Heat:	0.04	1.35	0.008	0.002	0.17	0.34	0.14	0.10	0.04	0.011	0.057	0.00	0.07	0.010	0.02	0.0002	0.21	0.0006	0.000	0.054		
	AE-134D	V0028	Product:	0.04	1.34	0.008	0.002	0.17	0.33	0.14	0.10	0.04	0.011	0.057	0.00	0.07	0.011	0.02	0.0001	0.21	0.0007	0.000	0.054		
	AE-136A	V0028	Product:	0.04	1.34	0.008	0.002	0.17	0.33	0.14	0.10	0.04	0.011	0.057	0.00	0.07	0.011	0.02	0.0001	0.21	0.0007	0.000	0.054		
	AE-134D	V0029	Product:	0.05	1.36	0.008	0.004	0.17	0.33	0.14	0.10	0.04	0.011	0.058	0.00	0.07	0.011	0.02	0.0001	0.21	0.0006	0.000	0.055		
AE-136A	V0029	Product:	0.05	1.36	0.008	0.004	0.17	0.33	0.14	0.10	0.04	0.011	0.058	0.00	0.07	0.011	0.02	0.0001	0.21	0.0006	0.000	0.055			
EVRAZ Regina - 409746	AE-136A	25963-M	MILL CONTROL	PIPE TPA						38.070		480		566		37.4		0.85							
	AE-136A	25963-M	MILL CONTROL	PIPE TWA						38.410				585		0.0		0.00							
			Heat:	0.05	1.31	0.009	0.004	0.14	0.27	0.10	0.08	0.03	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.20	0.0011	0.001	0.042		
	AE-134D	V0002	Product:	0.05	1.32	0.009	0.004	0.14	0.27	0.10	0.08	0.03	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.20	0.0009	0.001	0.043		
	AE-136A	V0002	Product:	0.05	1.32	0.009	0.004	0.14	0.27	0.10	0.08	0.03	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.20	0.0009	0.001	0.043		
	AE-134D	W0002	Product:	0.05	1.31	0.009	0.004	0.14	0.27	0.10	0.08	0.03	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.20	0.0010	0.001	0.044		
	AE-136A	W0002	Product:	0.05	1.31	0.009	0.004	0.14	0.27	0.10	0.08	0.03	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.20	0.0010	0.001	0.044		
	EVRAZ Regina - 409747	AE-136A	27047	MILL CONTROL	PIPE TWA						38.339				614		0.0		0.00						
		AE-136A	27047-V	MILL CONTROL	PIPE TPA						38.029		509		603		35.2		0.84						
			Heat:	0.05	1.35	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.045	0.00	0.07	0.008	0.02	0.0002	0.21	0.0012	0.000	0.044		
AE-134D		V0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.046	0.00	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045		
AE-136A		V0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.046	0.00	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045		
AE-134D		W0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.13	0.11	0.04	0.012	0.046	0.00	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045		
AE-136A		W0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.13	0.11	0.04	0.012	0.046	0.00	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045		
EVRAZ Regina - 409748		AE-136A	26111	MILL CONTROL	PIPE TPA						38.001		508		586		36.1		0.87						
		AE-136A	26111-N	MILL CONTROL	PIPE TWA						38.379				601		0.0		0.00						
	AE-136A	26256	LOT QUALIFIER	PIPE TPA						38.039		503		589		37.6		0.85							
	AE-136A	26256	LOT QUALIFIER	PIPE TWA						38.369				609		0.0		0.00							
			Heat:	0.04	1.33	0.010	0.004	0.12	0.32	0.14	0.11	0.04	0.011	0.044	0.00	0.07	0.010	0.02	0.0002	0.20	0.0017	0.000	0.043		
	AE-134D	V0018	Product:	0.04	1.34	0.010	0.004	0.12	0.32	0.14	0.12	0.04	0.011	0.045	0.00	0.07	0.009	0.02	0.0002	0.21	0.0019	0.001	0.044		
	AE-136A	V0018	Product:	0.04	1.34	0.010	0.004	0.12	0.32	0.14	0.12	0.04	0.011	0.045	0.00	0.07	0.009	0.02	0.0002	0.21	0.0019	0.001	0.044		
	AE-134D	W0018	Product:	0.05	1.34	0.010	0.004	0.12	0.32	0.14	0.12	0.04	0.010	0.045	0.00	0.07	0.010	0.02	0.0002	0.21	0.0018	0.001	0.044		
	AE-136A	W0018	Product:	0.05	1.34	0.010	0.004	0.12	0.32	0.14	0.12	0.04	0.010	0.045	0.00	0.07	0.010	0.02	0.0002	0.21	0.0018	0.001	0.044		
EVRAZ Regina - 409749	AE-136A	27166	MILL CONTROL	PIPE TPA						38.209		494		571		36.8		0.87							
	AE-136A	27166	MILL CONTROL	PIPE TWA						38.461				587		0.0		0.00							
			Heat:	0.05	1.35	0.010	0.004	0.12	0.28	0.10	0.09	0.03	0.012	0.041	0.00	0.07	0.010	0.02	0.0002	0.20	0.0015	0.001	0.039		
	AE-134D	V0027	Product:	0.03	1.36	0.011	0.002	0.13	0.27	0.10	0.09	0.03	0.011	0.044	0.00	0.07	0.010	0.02	0.0001	0.19	0.0015	0.000	0.042		
	AE-136A	V0027	Product:	0.03	1.36	0.011	0.002	0.13	0.27	0.10	0.09	0.03	0.011	0.044	0.00	0.07	0.010	0.02	0.0001	0.19	0.0015	0.000	0.042		
	AE-134D	W0028	Product:	0.03	1.34	0.010	0.003	0.13	0.27	0.10	0.09	0.03	0.011	0.043	0.00	0.07	0.011	0.02	0.0001	0.18	0.0015	0.000	0.041		
	AE-134D	W0028	Product:	0.05	1.35	0.010	0.005	0.13	0.26	0.10	0.09	0.03	0.010	0.044	0.00	0.07	0.012	0.02	0.0000	0.21	0.0017	0.000	0.042		
	AE-136A	W0028	Product:	0.05	1.35	0.010	0.005	0.13	0.26	0.10	0.09	0.03	0.010	0.044	0.00	0.07	0.012	0.02	0.0000	0.21	0.0017	0.000	0.042		
	EVRAZ Regina - 409750	AE-136A	24255-M	MILL CONTROL	PIPE TPA						37.899		477		584		36.1		0.82						
AE-136A		24255-M	MILL CONTROL	PIPE TWA						38.420				605		0.0		0.00							
			Heat:	0.05	1.36	0.010	0.005	0.14	0.32	0.12	0.09	0.03	0.011	0.041	0.00	0.07	0.010	0.02	0.0002	0.21	0.0027	0.000	0.040		
AE-134D		V0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.041	0.00	0.07	0.010	0.02	0.0003	0.21	0.0027	0.001	0.040		
AE-136A		V0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.041	0.00	0.07	0.010	0.02	0.0003	0.21	0.0027	0.001	0.040		
AE-134D		W0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0030	0.001	0.040		
AE-136A		W0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0030	0.001	0.040		
EVRAZ Regina - 409832		AE-136A	23551	MILL CONTROL	PIPE TPA						37.960		474		590		36.0		0.80						
		AE-136A	23551	MILL CONTROL	PIPE TWA						38.430				613		0.0		0.00						
			Heat:	0.05	1.37	0.009	0.002	0.17	0.29	0.11	0.09	0.04	0.011	0.040	0.00	0.07	0.008	0.02	0.0003	0.21	0.0035	0.001	0.039		
	AE-134D	V0005	Product:	0.05	1.35	0.009	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0.00	0.07	0.009	0.02	0.0002	0.21	0.0032	0.000	0.041		
	AE-136A	V0005	Product:	0.05	1.35	0.009	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0.00	0.07	0.009	0.02	0.0002	0.21	0.0032	0.000	0.041		
	AE-134D	W0005	Product:	0.05	1.38	0.009	0.002	0.17	0.28	0.11	0.09	0.04	0.012	0.042	0.00	0.07	0.009	0.02	0.0002	0.21	0.0026	0.000	0.040		
	AE-136A	W0005	Product:	0.05	1.38	0.009	0.002	0.17	0.28	0.11	0.09	0.04	0.012	0.042	0.00	0.07	0.009	0.02	0.0002	0.21	0.0026	0.000	0.040		
	EVRAZ Regina - 409833	AE-136A	24760-J	MILL CONTROL	PIPE TPA						37.879		500		604		35.2		0.83						
		AE-136A	24760-J	MILL CONTROL	PIPE TWA						38.440				617		0.0		0.00						
			Heat:	0.05	1.38	0.009	0.002	0.18	0.32	0.12	0.12	0.04	0.011	0.044	0.00	0.07	0.010	0.02	0.0003	0.22	0.0025	0.001	0.041		
AE-134D		V0012	Product:	0.05	1.37	0.009	0.003	0.18	0.31	0.12	0.12	0.04	0.012	0.047	0.00	0.07	0.010	0.02	0.0002	0.21	0.0019	0.000	0.045		
AE-136A		V0012	Product:	0.05	1.37	0.009	0.003	0.18	0.31	0.12	0.12	0.04	0.012	0.047	0.00	0.07	0.010	0.02	0.0002	0.21	0.0019	0.000	0.045		
AE-134D		W0012	Product:	0.05	1.38	0.009	0.002	0.19	0.31	0.12	0.12	0.04	0.012	0.046	0.00	0.07	0.010	0.02	0.0002	0.22	0.0020	0.000	0.044		


 Camrose ERW		<div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																Friday, April 20, 2018, 12:35:59											
																		Certificate ID: 187579-3											
																		Customer PO: APPL 45709											
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2								Mill Order No: WA 054675-01											
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																			
Supplier - Heat			Product ID			Test Type			Orientation			Width (mm)			YS (MPa)			UTS (MPa)			Elong% (50mm)			Y/T					
			Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl						
EVRAZ Regina - 409834	AE-136A	W0012	Product:	0.05	1.38	0.009	0.002	0.19	0.31	0.12	0.12	0.04	0.012	0.046	0.00	0.07	0.010	0.02	0.0002	0.22	0.0020	0.000	0.044						
	AE-136A	24818-M	MILL CONTROL					PIPE TPA				38.021		505		597		35.0		0.85									
	AE-136A	24818-M	MILL CONTROL					PIPE TWA				38.400		609		0.0		0.00											
			Heat:	0.05	1.36	0.008	0.004	0.16	0.28	0.11	0.11	0.04	0.010	0.045	0.00	0.07	0.009	0.02	0.0003	0.21	0.0024	0.001	0.044						
	AE-134D	V0015	Product:	0.04	1.34	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.010	0.050	0.00	0.07	0.010	0.02	0.0002	0.20	0.0022	0.000	0.048						
	AE-136A	V0015	Product:	0.04	1.34	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.010	0.050	0.00	0.07	0.010	0.02	0.0002	0.20	0.0022	0.000	0.048						
	AE-134D	W0015	Product:	0.05	1.35	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.011	0.050	0.00	0.07	0.009	0.02	0.0002	0.21	0.0023	0.000	0.048						
AE-136A	W0015	Product:	0.05	1.35	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.011	0.050	0.00	0.07	0.009	0.02	0.0002	0.21	0.0023	0.000	0.048							
EVRAZ Regina - 409835	AE-136A	24688-H	MILL CONTROL					PIPE TPA				37.991		456		584		37.7		0.78									
	AE-136A	24688-H	MILL CONTROL					PIPE TWA				38.321		604		0.0		0.00											
			Heat:	0.05	1.35	0.008	0.004	0.13	0.26	0.10	0.09	0.03	0.010	0.044	0.00	0.07	0.010	0.02	0.0003	0.20	0.0022	0.001	0.043						
	AE-134D	V0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.10	0.09	0.03	0.011	0.048	0.00	0.07	0.010	0.02	0.0002	0.20	0.0016	0.000	0.046						
	AE-136A	V0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.10	0.09	0.03	0.011	0.048	0.00	0.07	0.010	0.02	0.0002	0.20	0.0016	0.000	0.046						
	AE-134D	W0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.10	0.09	0.03	0.010	0.048	0.00	0.07	0.010	0.02	0.0002	0.20	0.0015	0.000	0.046						
	AE-136A	W0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.10	0.09	0.03	0.010	0.048	0.00	0.07	0.010	0.02	0.0002	0.20	0.0015	0.000	0.046						
EVRAZ Regina - 409836	AE-136A	27328	MILL CONTROL					PIPE TPA				38.219		486		587		37.9		0.83									
	AE-136A	27328	MILL CONTROL					PIPE TWA				38.580		611		0.0		0.00											
			Heat:	0.06	1.35	0.008	0.004	0.13	0.33	0.11	0.10	0.03	0.011	0.028	0.00	0.07	0.010	0.02	0.0003	0.22	0.0023	0.001	0.027						
	AE-136A	V0028	Product:	0.05	1.36	0.008	0.003	0.14	0.32	0.11	0.10	0.03	0.011	0.031	0.00	0.07	0.010	0.02	0.0001	0.21	0.0019	0.000	0.029						
	AE-134D	W0028	Product:	0.06	1.36	0.008	0.004	0.14	0.32	0.11	0.10	0.03	0.011	0.032	0.00	0.07	0.010	0.02	0.0002	0.22	0.0034	0.000	0.030						
	AE-136A	W0028	Product:	0.06	1.36	0.008	0.004	0.14	0.32	0.11	0.10	0.03	0.011	0.032	0.00	0.07	0.010	0.02	0.0002	0.22	0.0034	0.000	0.030						
	AE-136A	W0028	Product:	0.06	1.36	0.008	0.004	0.14	0.32	0.11	0.10	0.03	0.011	0.032	0.00	0.07	0.010	0.02	0.0002	0.22	0.0034	0.000	0.030						
EVRAZ Regina - 409837	AE-136A	27417	MILL CONTROL					PIPE TPA				38.151		503		601		34.7		0.84									
	AE-136A	27417	MILL CONTROL					PIPE TWA				38.390		617		0.0		0.00											
			Heat:	0.06	1.37	0.009	0.005	0.15	0.28	0.11	0.11	0.04	0.010	0.037	0.00	0.07	0.009	0.02	0.0003	0.22	0.0026	0.001	0.036						
	AE-134D	V0035	Product:	0.06	1.36	0.009	0.005	0.15	0.26	0.11	0.10	0.04	0.010	0.042	0.00	0.07	0.009	0.02	0.0003	0.22	0.0022	0.000	0.040						
	AE-136A	V0035	Product:	0.06	1.36	0.009	0.005	0.15	0.26	0.11	0.10	0.04	0.010	0.042	0.00	0.07	0.009	0.02	0.0003	0.22	0.0022	0.000	0.040						
	AE-134D	W0035	Product:	0.06	1.37	0.009	0.005	0.16	0.26	0.11	0.11	0.04	0.010	0.043	0.00	0.07	0.009	0.02	0.0003	0.22	0.0040	0.000	0.041						
	AE-136A	W0035	Product:	0.06	1.37	0.009	0.005	0.16	0.26	0.11	0.11	0.04	0.010	0.043	0.00	0.07	0.009	0.02	0.0003	0.22	0.0040	0.000	0.041						
EVRAZ Regina - 409838	AE-136A	22814	MILL CONTROL					PIPE TWA				38.621		599		0.0		0.00											
	AE-136A	22814-J	MILL CONTROL					PIPE TPA				37.981		492		576		34.4		0.85									
			Heat:	0.05	1.33	0.008	0.004	0.17	0.27	0.10	0.10	0.06	0.011	0.041	0.00	0.07	0.011	0.02	0.0003	0.21	0.0025	0.001	0.039						
	AE-134D	W0042	Product:	0.05	1.32	0.008	0.004	0.17	0.26	0.10	0.10	0.06	0.011	0.043	0.00	0.07	0.011	0.02	0.0002	0.20	0.0015	0.000	0.041						
	AE-136A	W0042	Product:	0.05	1.32	0.008	0.004	0.17	0.26	0.10	0.10	0.06	0.011	0.043	0.00	0.07	0.011	0.02	0.0002	0.20	0.0015	0.000	0.041						
	AE-134D	W0043	Product:	0.05	1.33	0.011	0.006	0.17	0.25	0.11	0.11	0.06	0.011	0.033	0.00	0.07	0.010	0.02	0.0002	0.21	0.0014	0.000	0.031						
	AE-136A	W0043	Product:	0.05	1.33	0.011	0.006	0.17	0.25	0.11	0.11	0.06	0.011	0.033	0.00	0.07	0.010	0.02	0.0002	0.21	0.0014	0.000	0.031						
EVRAZ Regina - 409839	AE-136A	24877-J	MILL CONTROL					PIPE TPA				37.869		487		593		34.6		0.82									
	AE-136A	24877-J	MILL CONTROL					PIPE TWA				38.420		603		0.0		0.00											
			Heat:	0.05	1.31	0.007	0.002	0.17	0.28	0.11	0.09	0.04	0.010	0.047	0.00	0.07	0.010	0.02	0.0002	0.20	0.0024	0.001	0.046						
	AE-134D	V0049	Product:	0.04	1.32	0.008	0.002	0.17	0.28	0.11	0.09	0.04	0.011	0.049	0.00	0.07	0.011	0.02	0.0002	0.20	0.0020	0.000	0.047						
	AE-136A	V0049	Product:	0.04	1.32	0.008	0.002	0.17	0.28	0.11	0.09	0.04	0.011	0.049	0.00	0.07	0.011	0.02	0.0002	0.20	0.0020	0.000	0.047						
	AE-134D	W0049	Product:	0.05	1.31	0.007	0.002	0.17	0.27	0.11	0.09	0.04	0.010	0.048	0.00	0.07	0.011	0.02	0.0001	0.20	0.0022	0.000	0.046						
	AE-136A	W0049	Product:	0.05	1.31	0.007	0.002	0.17	0.27	0.11	0.09	0.04	0.010	0.048	0.00	0.07	0.011	0.02	0.0001	0.20	0.0022	0.000	0.046						
EVRAZ Regina - 409894	AE-136A	25442-K	MILL CONTROL					PIPE TPA				38.100		514		613		40.2		0.84									
	AE-136A	25442-K	MILL CONTROL					PIPE TWA				38.491		612		0.0		0.00											
	AE-136A	25529	APPLY / TEST					PIPE TPA				37.981		489		598		34.6		0.82									
	AE-136A	25539	APPLY / TEST					PIPE TPA				38.001		500		585		33.2		0.85									
	AE-136A	25554	LOT QUALIFIER					PIPE TPA				37.930		483		585		33.6		0.83									
	AE-136A	25554-L	LOT QUALIFIER					PIPE TWA				38.420		600		0.0		0.00											
			Heat:	0.05	1.37	0.010	0.001	0.17	0.30	0.12	0.13	0.06	0.014	0.038	0.00	0.07	0.012	0.02	0.0002	0.22	0.0023	0.001	0.037						
	AE-134D	V0005	Product:	0.06	1.38	0.010	0.001	0.17	0.30	0.12	0.13	0.06	0.015	0.039	0.00	0.07	0.011	0.02	0.0002	0.23	0.0019	0.000	0.037						
	AE-136A	V0005	Product:	0.06	1.38	0.010	0.001	0.17	0.30	0.12	0.13	0.06	0.015	0.039	0.00	0.07	0.011	0.02	0.0002	0.23	0.0019	0.000	0.037						
	AE-134D	W0005	Product:	0.05	1.36	0.010	0.001	0.17	0.29	0.12	0.13	0.06	0.013	0.040	0.00	0.07	0.011	0.02	0.0002	0.22	0.0031	0.000	0.037						
	AE-136A	W0005	Product:	0.05	1.36	0.010	0.001	0.17	0.29	0.12	0.13	0.06	0.013	0.040	0.00	0.07	0.011	0.02	0.0002	0.22	0.0031	0.000	0.037						
	EVRAZ Regina - 409895	AE-136A	25358	MILL CONTROL					PIPE TPA				37.930		501		593		36.1		0.84								
AE-136A		25358-T	MILL CONTROL					PIPE TWA				38.481		607		0.0		0.00											
			Heat:	0.05	1.37	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.044	0.00	0.07	0.010	0.02	0.0003	0.21	0.0032	0.002	0.043						
AE-134D		V0009	Product:	0.05	1.37	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.046	0.00	0.07	0.010	0.02	0.0002	0.21	0.0030	0.000	0.044						
AE-136A		V0009	Product:	0.05	1.37	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.046	0.00	0.07	0.010	0.02	0.0002	0.21	0.0030	0.000	0.044						
AE-134D		W0009	Product:	0.05	1.36	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.047	0.00	0.07	0.010	0.02	0.0002	0.21	0.0027	0.000	0.045						
AE-136A		W0009	Product:	0.05	1.36	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.047	0.00	0.07	0.010	0.02	0.0002	0.21	0.0027	0.000	0.045						
EVRAZ Regina - 528243	AE-134D	6335-V	MILL CONTROL					PIPE TPA				37.869		522		600		35.1		0.87									


<div></div> <div>Camrose ERW</div>		EVRAZ Camrose																		Friday, April 20, 2018, 12:35:59				
		CERTIFICATE OF TESTING																		Certificate ID: 187579-3				
		Tensile & Chemistry																		Customer PO: APPL 45709				
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01				
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																								
Supplier - Heat		Product ID		Test Type			Orientation			Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T					
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
		AE-134D 6335-V		MILL CONTROL			PIPE TWA			38.410					616		0.0		0.00					
				Heat:	0.05	1.33	0.010	0.003	0.12	0.29	0.11	0.11	0.09	0.011	0.042	0.00	0.07	0.008	0.02	0.0002	0.21	0.0010	0.002	0.041
		AE-134D V0012		Product:	0.05	1.32	0.009	0.003	0.12	0.28	0.11	0.11	0.10	0.011	0.044	0.00	0.07	0.009	0.02	0.0001	0.21	0.0014	0.000	0.040
		AE-134D W0012		Product:	0.05	1.33	0.009	0.003	0.13	0.28	0.11	0.11	0.10	0.010	0.044	0.00	0.07	0.009	0.02	0.0001	0.21	0.0016	0.000	0.040
EVRAZ Regina - 528244		AE-134D 5528-K		MILL CONTROL			PIPE TPA			38.001			522		597		35.7		0.87					
		AE-134D 5528-K		MILL CONTROL			PIPE TWA			38.270					614		0.0		0.00					
				Heat:	0.05	1.33	0.009	0.003	0.16	0.25	0.14	0.10	0.05	0.010	0.039	0.00	0.07	0.008	0.02	0.0003	0.21	0.0011	0.002	0.037
		AE-134D V0009		Product:	0.05	1.33	0.008	0.003	0.16	0.24	0.14	0.10	0.06	0.009	0.040	0.00	0.06	0.009	0.02	0.0000	0.21	0.0014	0.000	0.035
		AE-134D W0009		Product:	0.05	1.34	0.009	0.003	0.16	0.25	0.14	0.11	0.06	0.010	0.039	0.00	0.07	0.009	0.02	0.0001	0.21	0.0016	0.000	0.035
EVRAZ Regina - 528245		AE-134D 7903-V		MILL CONTROL			PIPE TPA			38.090			484		582		34.3		0.83					
		AE-134D 7903-V		MILL CONTROL			PIPE TWA			38.451					600		0.0		0.00					
				Heat:	0.04	1.35	0.009	0.004	0.17	0.29	0.11	0.12	0.04	0.009	0.040	0.00	0.07	0.008	0.02	0.0003	0.20	0.0015	0.002	0.039
		AE-134D V0019		Product:	0.05	1.35	0.009	0.004	0.18	0.28	0.11	0.12	0.04	0.009	0.044	0.00	0.07	0.008	0.02	0.0001	0.21	0.0022	0.000	0.041
		AE-134D W0019		Product:	0.05	1.33	0.009	0.004	0.17	0.28	0.11	0.12	0.04	0.009	0.043	0.00	0.07	0.008	0.02	0.0002	0.21	0.0021	0.000	0.040
EVRAZ Regina - 528246		AE-134D 5438-H		MILL CONTROL			PIPE TPA			38.001			477		602		34.1		0.79					
		AE-134D 5438-H		MILL CONTROL			PIPE TWA			38.250					616		0.0		0.00					
				Heat:	0.05	1.34	0.010	0.004	0.16	0.25	0.14	0.10	0.05	0.009	0.035	0.00	0.07	0.007	0.01	0.0003	0.21	0.0028	0.001	0.034
		AE-134D V0026		Product:	0.06	1.32	0.010	0.005	0.16	0.25	0.13	0.11	0.05	0.009	0.037	0.00	0.07	0.007	0.01	0.0001	0.22	0.0037	0.000	0.034
		AE-134D W0026		Product:	0.06	1.34	0.010	0.004	0.16	0.25	0.14	0.11	0.05	0.009	0.036	0.00	0.07	0.007	0.02	0.0001	0.22	0.0026	0.000	0.032
EVRAZ Regina - 528247		AE-134D 6122-F		MILL CONTROL			PIPE TPA			38.001			481		590		34.9		0.81					
		AE-134D 6122-F		MILL CONTROL			PIPE TWA			38.430					605		0.0		0.00					
				Heat:	0.04	1.32	0.010	0.003	0.18	0.28	0.11	0.10	0.04	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.20	0.0020	0.002	0.041
		AE-134D V0029		Product:	0.04	1.33	0.010	0.002	0.19	0.27	0.11	0.10	0.04	0.010	0.044	0.00	0.07	0.010	0.02	0.0002	0.20	0.0020	0.000	0.040
		AE-134D W0029		Product:	0.05	1.32	0.009	0.002	0.19	0.27	0.11	0.10	0.04	0.010	0.045	0.00	0.07	0.010	0.02	0.0001	0.20	0.0021	0.000	0.041
EVRAZ Regina - 528276		AE-134D 6685-T		MILL CONTROL			PIPE TPA			37.790			496		617		32.3		0.80					
		AE-134D 6685-T		MILL CONTROL			PIPE TWA			38.440					639		0.0		0.00					
				Heat:	0.06	1.35	0.012	0.004	0.19	0.30	0.16	0.08	0.05	0.011	0.032	0.00	0.07	0.008	0.02	0.0003	0.22	0.0022	0.003	0.032
		AE-134D V0002		Product:	0.06	1.33	0.011	0.004	0.20	0.29	0.15	0.09	0.06	0.010	0.034	0.00	0.07	0.007	0.02	0.0001	0.22	0.0027	0.000	0.030
		AE-134D W0002		Product:	0.06	1.33	0.010	0.003	0.20	0.28	0.15	0.09	0.06	0.010	0.035	0.00	0.07	0.008	0.02	0.0002	0.22	0.0025	0.000	0.031
EVRAZ Regina - 528277		AE-134D 5720-J		MILL CONTROL			PIPE TPA			37.920			480		597		35.5		0.80					
		AE-134D 5720-J		MILL CONTROL			PIPE TWA			38.270					609		0.0		0.00					
				Heat:	0.05	1.33	0.010	0.002	0.14	0.24	0.11	0.07	0.04	0.009	0.045	0.00	0.07	0.008	0.02	0.0003	0.20	0.0016	0.003	0.044
		AE-134D V0012		Product:	0.05	1.34	0.010	0.002	0.14	0.23	0.11	0.07	0.04	0.010	0.049	0.00	0.07	0.008	0.02	0.0002	0.20	0.0014	0.000	0.046
		AE-134D W0012		Product:	0.05	1.33	0.009	0.002	0.14	0.22	0.11	0.07	0.04	0.009	0.050	0.00	0.07	0.008	0.02	0.0002	0.20	0.0018	0.000	0.045
EVRAZ Regina - 528278		AE-134D 6304-F		MILL CONTROL			PIPE TPA			37.889			470		583		36.6		0.81					
		AE-134D 6304-F		MILL CONTROL			PIPE TWA			38.359					597		0.0		0.00					
				Heat:	0.05	1.33	0.009	0.002	0.16	0.26	0.11	0.08	0.04	0.009	0.033	0.00	0.07	0.008	0.02	0.0003	0.20	0.0013	0.002	0.032
		AE-134D V0019		Product:	0.05	1.34	0.009	0.002	0.16	0.25	0.11	0.08	0.04	0.009	0.036	0.00	0.07	0.009	0.02	0.0002	0.20	0.0014	0.000	0.032
		AE-134D W0019		Product:	0.04	1.34	0.009	0.002	0.16	0.25	0.11	0.08	0.04	0.009	0.037	0.00	0.07	0.008	0.02	0.0002	0.20	0.0016	0.000	0.034
EVRAZ Regina - 528279		AE-134D 7552-S		MILL CONTROL			PIPE TPA			38.049			488		586		34.8		0.83					
		AE-134D 7552-S		MILL CONTROL			PIPE TWA			38.400					599		0.0		0.00					
				Heat:	0.04	1.33	0.009	0.002	0.14	0.28	0.11	0.12	0.03	0.009	0.040	0.00	0.07	0.009	0.02	0.0003	0.20	0.0015	0.003	0.039
		AE-134D V0026		Product:	0.05	1.32	0.009	0.002	0.15	0.26	0.10	0.12	0.03	0.009	0.045	0.00	0.07	0.008	0.02	0.0002	0.20	0.0017	0.000	0.042
		AE-134D W0026		Product:	0.05	1.33	0.010	0.002	0.15	0.27	0.11	0.12	0.03	0.010	0.044	0.00	0.07	0.008	0.02	0.0002	0.21	0.0016	0.000	0.040
EVRAZ Regina - 528280		AE-134D 5267-S		MILL CONTROL			PIPE TPA			37.940			486		602		34.5		0.81					
		AE-134D 5267-S		MILL CONTROL			PIPE TWA			38.369					614		0.0		0.00					
				Heat:	0.05	1.33	0.010	0.001	0.16	0.33	0.11	0.10	0.03	0.011	0.044	0.00	0.07	0.009	0.02	0.0003	0.21	0.0018	0.002	0.043
		AE-134D V0033		Product:	0.04	1.32	0.009	0.001	0.17	0.31	0.11	0.11	0.03	0.011	0.047	0.00	0.07	0.009	0.02	0.0001	0.20	0.0019	0.000	0.042
		AE-134D W0033		Product:	0.05	1.32	0.009	0.002	0.17	0.31	0.11	0.10	0.03	0.011	0.047	0.00	0.07	0.009	0.02	0.0002	0.21	0.0022	0.000	0.041
EVRAZ Regina - 528317		AE-134D 7148-J		MILL CONTROL			PIPE TPA			38.001			501		608		32.6		0.82					
		AE-134D 7148-J		MILL CONTROL			PIPE TWA			38.461					614		0.0		0.00					
				Heat:	0.06	1.36	0.009	0.003	0.17	0.38	0.11	0.06	0.04	0.011	0.036	0.00	0.07	0.008	0.02	0.0003	0.22	0.0008	0.001	0.035
		AE-134D V0002		Product:	0.06	1.34	0.008	0.003	0.17	0.37	0.10	0.06	0.04	0.010	0.041	0.00	0.07	0.008	0.02	0.0002	0.21	0.0012	0.000	0.039
		AE-134D W0002		Product:	0.06	1.36	0.009	0.003	0.17	0.37	0.10	0.06	0.04	0.011	0.038	0.00	0.07	0.008	0.02	0.0002	0.22	0.0013	0.000	0.036
EVRAZ Regina - 528318		AE-134D 6595-J		MILL CONTROL			PIPE TPA			37.940			499		578		35.9		0.86					
		AE-134D 6595-J		MILL CONTROL			PIPE TWA			38.440					593		0.0		0.00					
				Heat:	0.05	1.33	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.010	0.047	0.00	0.07	0.011	0.02	0.0003	0.20	0.0020	0.001	0.044
		AE-134D V0009		Product:	0.04	1.33	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.010	0.050	0.00	0.07	0.010	0.02	0.0002	0.20	0.0020	0.000	0.048
		AE-134D W0009		Product:	0.04	1.34	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.011	0.048	0.00	0.07	0.011	0.02	0.0002	0.20	0.0018	0.000	0.046
EVRAZ Regina - 528319		AE-134D 6869-S		MILL CONTROL			PIPE TPA			37.800			503		582		36.8		0.86					
		AE-134D 6869-S		MILL CONTROL			PIPE TWA			38.390					592		0.0		0.00					


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																		Friday, April 20, 2018, 12:35:59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Certificate ID: 187579-3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2																		Mill Order No: WA 054675-01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Supplier - Heat			Product ID			Test Type			Orientation				Width (mm)				YS (MPa)				UTS (MPa)				Elong% (50mm)				Y/T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						Wgt (%)			C			Mn			P			S			Si			Cu			Ni			Cr			Mo			Sn			Al			V			Cb			N2			Ti			B			CEQ			Ca			Ce			SoAl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			AE-134D V0016			Heat:			0.04			1.35			0.011			0.004			0.17			0.26			0.11			0.11			0.03			0.009			0.043			0.00			0.07			0.010			0.02			0.0003			0.20			0.0024			0.001			0.042																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Product:			0.04			1.33			0.011			0.004			0.17			0.26			0.11			0.11			0.04			0.010			0.046			0.00			0.07			0.010			0.02			0.0002			0.20			0.0021			0.000			0.041																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Product:			0.04			1.35			0.012			0.004			0.17			0.26			0.11			0.11			0.04			0.010			0.046			0.00			0.07			0.010			0.02			0.0002			0.20			0.0018			0.000			0.041																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
EVRAZ Regina - 528320			AE-134D 7477-T			MILL CONTROL						PIPE TPA						38.070						507						602						37.0						0.84																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</		


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																Friday, April 20, 2018, 12:35:59								
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																Certificate ID: 187579-3								
																		Customer PO: APPL 45709								
Diameter: 323.9 mm		Wall Thickness: 9.500 mm																Grade: GR.414-2				Mill Order No: WA 054675-01				
		Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																								
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T					
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl		
EVRAZ Regina - 528427		AE-134D	V0012	Heat:	0.05	1.35	0.008	0.004	0.20	0.28	0.16	0.12	0.05	0.012	0.039	0.00	0.07	0.010	0.02	0.0003	0.21	0.0029	0.000	0.038		
		AE-134D	W0012	Product:	0.05	1.36	0.008	0.003	0.20	0.27	0.17	0.12	0.05	0.014	0.041	0.00	0.07	0.010	0.02	0.0002	0.22	0.0022	0.000	0.039		
		AE-134D	W0016	Product:	0.05	1.35	0.008	0.003	0.20	0.27	0.17	0.12	0.05	0.013	0.040	0.00	0.07	0.011	0.02	0.0002	0.21	0.0023	0.000	0.038		
EVRAZ Regina - 528457		AE-134D	8433-F	MILL CONTROL			PIPE TPA				38.141		496		581		35.7		0.85							
		AE-134D	8433-F	MILL CONTROL			PIPE TWA				38.491				593		0.0		0.00							
		AE-134D	V0016	Heat:	0.04	1.35	0.007	0.003	0.19	0.20	0.12	0.08	0.04	0.009	0.050	0.00	0.07	0.011	0.02	0.0002	0.20	0.0032	0.001	0.048		
EVRAZ Regina - 528458		AE-134D	V0002	Product:	0.04	1.36	0.007	0.002	0.18	0.19	0.13	0.08	0.04	0.009	0.053	0.00	0.07	0.010	0.02	0.0002	0.20	0.0023	0.000	0.051		
		AE-134D	W0016	Product:	0.04	1.35	0.007	0.002	0.18	0.19	0.13	0.08	0.04	0.009	0.053	0.00	0.07	0.010	0.02	0.0002	0.20	0.0026	0.000	0.050		
		AE-134D	10663-S	MILL CONTROL			PIPE TPA				37.970		509		617		33.5		0.83							
EVRAZ Regina - 528459		AE-134D	10663-S	MILL CONTROL			PIPE TWA				38.481				614		0.0		0.00							
		AE-134D	V0002	Heat:	0.05	1.35	0.012	0.003	0.15	0.29	0.11	0.08	0.03	0.010	0.028	0.00	0.07	0.007	0.02	0.0003	0.21	0.0025	0.002	0.027		
		AE-134D	W0002	Product:	0.05	1.37	0.012	0.003	0.15	0.29	0.11	0.08	0.03	0.010	0.027	0.00	0.07	0.006	0.02	0.0003	0.21	0.0024	0.001	0.026		
EVRAZ Regina - 528477		AE-134D	10232-T	MILL CONTROL			PIPE TPA				37.841		477		599		33.5		0.80							
		AE-134D	10232-T	MILL CONTROL			PIPE TWA				38.519				614		0.0		0.00							
		AE-134D	10337-V	LOT QUALIFIER			PIPE TPA				37.899		518		603		33.3		0.86							
EVRAZ Regina - 528478		AE-134D	10337-V	LOT QUALIFIER			PIPE TWA				38.509				621		0.0		0.00							
		AE-134D	V0005	Heat:	0.05	1.34	0.012	0.004	0.17	0.32	0.13	0.08	0.04	0.011	0.040	0.00	0.07	0.008	0.02	0.0003	0.21	0.0021	0.003	0.038		
		AE-134D	W0005	Product:	0.05	1.35	0.011	0.004	0.17	0.32	0.13	0.08	0.04	0.012	0.038	0.00	0.07	0.008	0.02	0.0003	0.21	0.0022	0.001	0.036		
EVRAZ Regina - 528479		AE-134D	10352-V	MILL CONTROL			PIPE TPA				37.869		487		585		35.9		0.83							
		AE-134D	10352-V	MILL CONTROL			PIPE TWA				38.550				602		0.0		0.00							
		AE-134D	10457-S	LOT QUALIFIER			PIPE TPA				37.981		486		592		35.3		0.82							
EVRAZ Regina - 528480		AE-134D	10457-S	LOT QUALIFIER			PIPE TWA				38.471				612		0.0		0.00							
		AE-134D	V0012	Heat:	0.06	1.32	0.011	0.004	0.18	0.28	0.14	0.08	0.05	0.010	0.036	0.00	0.07	0.010	0.02	0.0003	0.22	0.0020	0.002	0.035		
		AE-134D	W0012	Product:	0.05	1.34	0.011	0.003	0.19	0.28	0.13	0.08	0.05	0.010	0.036	0.00	0.07	0.009	0.02	0.0003	0.21	0.0024	0.002	0.035		
EVRAZ Regina - 528481		AE-134D	9323-H	MILL CONTROL			PIPE TPA				38.250		505		606		33.8		0.83							
		AE-134D	9323-H	MILL CONTROL			PIPE TWA				38.519				628		0.0		0.00							
		AE-134D	V0002	Heat:	0.06	1.39	0.011	0.003	0.14	0.28	0.13	0.12	0.05	0.011	0.037	0.00	0.07	0.011	0.02	0.0003	0.23	0.0028	0.001	0.036		
EVRAZ Regina - 528482		AE-134D	W0002	Product:	0.06	1.39	0.011	0.003	0.14	0.28	0.13	0.13	0.05	0.012	0.039	0.00	0.07	0.010	0.02	0.0002	0.23	0.0028	0.000	0.036		
		AE-134D	W0002	Product:	0.06	1.38	0.011	0.003	0.14	0.28	0.13	0.13	0.05	0.012	0.038	0.00	0.07	0.009	0.02	0.0002	0.23	0.0026	0.000	0.035		
		AE-134D	11023-F	MILL CONTROL			PIPE TPA				37.910		527		624		33.7		0.84							
EVRAZ Regina - 528483		AE-134D	11023-F	MILL CONTROL			PIPE TWA				38.519				605		0.0		0.00							
		AE-134D	V0009	Heat:	0.05	1.34	0.013	0.003	0.16	0.28	0.12	0.11	0.05	0.011	0.042	0.00	0.07	0.010	0.02	0.0003	0.21	0.0020	0.001	0.041		
		AE-134D	W0009	Product:	0.05	1.33	0.013	0.003	0.16	0.27	0.13	0.11	0.05	0.012	0.044	0.00	0.07	0.010	0.02	0.0002	0.21	0.0017	0.000	0.040		
EVRAZ Regina - 528484		AE-134D	9453-V	MILL CONTROL			PIPE TPA				38.240		492		594		36.1		0.83							
		AE-134D	9453-V	MILL CONTROL			PIPE TWA				38.471				622		0.0		0.00							
		AE-134D	V0016	Heat:	0.05	1.34	0.013	0.003	0.15	0.36	0.13	0.08	0.05	0.012	0.030	0.00	0.07	0.009	0.02	0.0003	0.21	0.0020	0.001	0.028		
EVRAZ Regina - 528485		AE-134D	W0016	Product:	0.05	1.34	0.012	0.003	0.16	0.36	0.14	0.08	0.05	0.012	0.031	0.00	0.07	0.009	0.02	0.0002	0.21	0.0018	0.000	0.029		
		AE-134D	9028-T	MILL CONTROL			PIPE TPA				38.270		502		597		30.6		0.84							
		AE-134D	9028-T	MILL CONTROL			PIPE TWA				38.461				608		0.0		0.00							
EVRAZ Regina - 528486		AE-134D	V0026	Heat:	0.05	1.37	0.010	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.044	0.00	0.07	0.010	0.02	0.0003	0.21	0.0018	0.001	0.043		
		AE-134D	W0026	Product:	0.05	1.35	0.009	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.046	0.00	0.07	0.009	0.02	0.0002	0.21	0.0018	0.000	0.044		
		AE-134D	W0026	Product:	0.05	1.35	0.010	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.046	0.00	0.07	0.010	0.02	0.0002	0.20	0.0016	0.000	0.044		
EVRAZ Regina - 528487		AE-134D	12363-N	LOT QUALIFIER			PIPE TPA				37.930		490		589		36.3		0.83							
		AE-134D	12363-N	LOT QUALIFIER			PIPE TWA				38.451				607		0.0		0.00							
		AE-134D	9218-T	MILL CONTROL			PIPE TPA				38.070		507		595		34.3		0.85							
EVRAZ Regina - 528488		AE-134D	9218-T	MILL CONTROL			PIPE TWA				38.430				603		0.0		0.00							
		AE-134D	V0034	Heat:	0.05	1.35	0.008	0.003	0.17	0.26	0.11	0.07	0.05	0.010	0.043	0.00	0.07	0.009	0.02	0.0002	0.20	0.0021	0.001	0.042		
		AE-134D	W0034	Product:	0.04	1.35	0.008	0.003	0.17	0.25	0.11	0.06	0.05	0.011	0.046	0.00	0.07	0.010	0.02	0.0001	0.20	0.0021	0.000	0.042		
EVRAZ Regina - 528489		AE-134D	9293-S	MILL CONTROL			PIPE TPA				38.250		509		579		33.6		0.88							
		AE-134D	9293-S	MILL CONTROL			PIPE TWA				38.471				601		0.0		0.00							
		AE-134D	V0037	Heat:	0.04	1.34	0.007	0.003	0.18	0.31	0.11	0.08	0.04	0.012	0.043	0.00	0.07	0.011	0.02	0.0003	0.20	0.0019	0.001	0.042		
EVRAZ Regina - 528490		AE-134D	W0037	Product:	0.04	1.35	0.007	0.002	0.19	0.31	0.11	0.08	0.04	0.013	0.046	0.00	0.07	0.011	0.02	0.0002	0.20	0.0017	0.000	0.044		
		AE-134D	12636-S	LOT QUALIFIER			PIPE TPA				37.930		498		584		36.3		0.85							
		AE-134D	12636-S	LOT QUALIFIER			PIPE TWA				38.481				597		0.0		0.00							


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry															Friday, April 20, 2018, 12:35:59																	
																	Certificate ID: 187579-3																	
																	Customer PO: APPL 45709																	
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm										Wall Thickness: 9.500 mm					Grade: GR.414-2					Mill Order No: WA 054675-01				
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																								
Supplier - Heat				Product ID				Test Type			Orientation			Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T		CEQ		Ca	Ce	SoAl				
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B														
	AE-134D	9263-V	MILL CONTROL				PIPE TPA				38.189		506		586		37.9		0.86															
			MILL CONTROL				PIPE TWA				38.430				598		0.0		0.00															
			Heat:	0.04	1.36	0.008	0.003	0.18	0.27	0.09	0.09	0.03	0.010	0.041	0.00	0.07	0.010	0.02	0.0003	0.20	0.0018	0.001	0.040											
			Product:	0.04	1.35	0.008	0.003	0.19	0.27	0.09	0.09	0.03	0.010	0.043	0.00	0.07	0.009	0.02	0.0002	0.20	0.0018	0.000	0.040											
			Product:	0.04	1.34	0.008	0.003	0.19	0.28	0.09	0.09	0.03	0.010	0.041	0.00	0.07	0.009	0.02	0.0002	0.20	0.0015	0.000	0.035											
EVRAZ Regina - 528533	AE-134D	11096-K	MILL CONTROL				PIPE TPA				37.970		498		598		34.5		0.83															
			MILL CONTROL				PIPE TWA				38.550				608		0.0		0.00															
			Heat:	0.06	1.36	0.009	0.004	0.17	0.31	0.10	0.10	0.03	0.009	0.041	0.00	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.040											
			Product:	0.06	1.37	0.008	0.004	0.17	0.30	0.10	0.10	0.03	0.010	0.043	0.00	0.07	0.009	0.02	0.0002	0.22	0.0021	0.000	0.040											
			Product:	0.06	1.39	0.009	0.004	0.17	0.29	0.10	0.10	0.03	0.011	0.044	0.00	0.07	0.009	0.02	0.0002	0.22	0.0022	0.000	0.040											
EVRAZ Regina - 528534	AE-134D	11351-K	MILL CONTROL				PIPE TPA				37.869		499		596		35.4		0.84															
			MILL CONTROL				PIPE TWA				38.499				605		0.0		0.00															
			Heat:	0.05	1.31	0.008	0.003	0.17	0.26	0.08	0.10	0.02	0.008	0.036	0.00	0.07	0.006	0.02	0.0003	0.20	0.0016	0.001	0.035											
			Product:	0.05	1.34	0.008	0.003	0.18	0.25	0.08	0.10	0.02	0.009	0.038	0.00	0.07	0.008	0.02	0.0003	0.21	0.0014	0.000	0.035											
			Product:	0.05	1.34	0.008	0.003	0.18	0.25	0.08	0.10	0.02	0.009	0.038	0.00	0.07	0.006	0.02	0.0003	0.21	0.0015	0.000	0.035											
EVRAZ Regina - 528535	AE-134D	11995-M	MILL CONTROL				PIPE TPA				37.950		517		605		33.3		0.86															
			MILL CONTROL				PIPE TWA				38.440				620		0.0		0.00															
			LOT QUALIFIER				PIPE TPA				38.049		481		598		37.2		0.80															
			LOT QUALIFIER				PIPE TWA				38.451				613		0.0		0.00															
			Heat:	0.05	1.37	0.010	0.003	0.18	0.25	0.12	0.12	0.03	0.009	0.040	0.00	0.07	0.007	0.02	0.0003	0.21	0.0020	0.001	0.038											
	AE-134D	V0013	Product:	0.05	1.38	0.010	0.003	0.18	0.23	0.12	0.12	0.04	0.009	0.042	0.00	0.07	0.008	0.02	0.0002	0.22	0.0018	0.000	0.037											
			Product:	0.05	1.38	0.010	0.003	0.18	0.23	0.12	0.12	0.04	0.009	0.043	0.00	0.07	0.007	0.02	0.0002	0.21	0.0019	0.000	0.040											
			EVRAZ Regina - 528539	AE-134D	11770-L	MILL CONTROL				PIPE TPA				37.950		521		590		34.9		0.88												
MILL CONTROL						PIPE TWA				38.471				603		0.0		0.00																
LOT QUALIFIER						PIPE TPA				37.930		539		626		37.0		0.86																
LOT QUALIFIER						PIPE TWA				38.491				607		0.0		0.00																
Heat:	0.04	1.34				0.011	0.003	0.15	0.33	0.14	0.14	0.04	0.012	0.042	0.00	0.07	0.009	0.02	0.0002	0.21	0.0017	0.001	0.040											
	AE-134D	V0006	Product:	0.04	1.34	0.012	0.003	0.15	0.31	0.14	0.14	0.04	0.012	0.048	0.00	0.07	0.010	0.02	0.0001	0.21	0.0017	0.000	0.046											
			Product:	0.04	1.33	0.012	0.003	0.15	0.31	0.14	0.14	0.04	0.012	0.049	0.00	0.07	0.010	0.02	0.0001	0.21	0.0021	0.000	0.047											
			EVRAZ Regina - 528540	AE-134D	12788-V	MILL CONTROL				PIPE TPA				37.841		503		593		35.7		0.85												
MILL CONTROL						PIPE TWA				38.461				605		0.0		0.00																
LOT QUALIFIER						PIPE TPA				37.960		494		585		35.4		0.84																
LOT QUALIFIER						PIPE TWA				38.451				600		0.0		0.00																
Heat:	0.05	1.34				0.010	0.003	0.15	0.32	0.10	0.10	0.03	0.010	0.033	0.00	0.07	0.009	0.02	0.0002	0.21	0.0017	0.000	0.031											
	AE-134D	V0013	Product:	0.05	1.35	0.010	0.003	0.15	0.31	0.10	0.09	0.03	0.010	0.039	0.00	0.07	0.009	0.02	0.0002	0.21	0.0019	0.000	0.037											
			Product:	0.06	1.34	0.010	0.003	0.15	0.31	0.10	0.09	0.03	0.010	0.038	0.00	0.07	0.009	0.02	0.0002	0.22	0.0018	0.000	0.035											
			EVRAZ Regina - 528541	AE-134D	12378-T	MILL CONTROL				PIPE TPA				37.940		480		586		36.9		0.82												
MILL CONTROL						PIPE TWA				38.420				603		0.0		0.00																
APPLY / TEST						PIPE TPA				37.889		466		592		35.6		0.79																
APPLY / TEST						PIPE TPA				38.021		511		597		37.4		0.86																
Heat:	0.05	1.36				0.011	0.003	0.18	0.37	0.13	0.10	0.04	0.010	0.044	0.00	0.07	0.010	0.02	0.0003	0.22	0.0019	0.001	0.043											
	AE-134D	V0020	Product:	0.05	1.36	0.012	0.003	0.18	0.35	0.13	0.11	0.04	0.011	0.050	0.00	0.07	0.010	0.02	0.0002	0.22	0.0017	0.000	0.048											
			Product:	0.05	1.36	0.011	0.003	0.18	0.35	0.13	0.11	0.04	0.011	0.050	0.00	0.07	0.010	0.02	0.0002	0.21	0.0019	0.000	0.048											
			EVRAZ Regina - 528542	AE-134D	12908-J	MILL CONTROL				PIPE TPA				37.910		467		594		32.6		0.79												
MILL CONTROL						PIPE TWA				38.430				606		0.0		0.00																
Heat:	0.07	1.37				0.015	0.003	0.16	0.39	0.13	0.09	0.05	0.013	0.044	0.00	0.07	0.012	0.02	0.0005	0.24	0.0014	0.001	0.042											
Product:	0.06	1.39				0.015	0.003	0.16	0.39	0.13	0.09	0.05	0.014	0.048	0.00	0.07	0.012	0.02	0.0004	0.23	0.0015	0.000	0.045											
Product:	0.06	1.37				0.015	0.003	0.17	0.38	0.13	0.09	0.05	0.014	0.047	0.00	0.07	0.012	0.02	0.0004	0.23	0.0017	0.000	0.045											
EVRAZ Regina - 528543	AE-134D	10202-L	MILL CONTROL				PIPE TPA				37.790		456		589		34.8		0.77															
			MILL CONTROL				PIPE TWA				38.560				599		0.0		0.00															
			Heat:	0.05	1.37	0.014	0.004	0.13	0.30	0.14	0.08	0.04	0.011	0.041	0.00	0.07	0.010	0.02	0.0003	0.21	0.0021	0.000	0.040											
			Product:	0.05	1.37	0.014	0.004	0.13	0.29	0.14	0.08	0.04	0.011	0.044	0.00	0.07	0.010	0.02	0.0001	0.20	0.0022	0.000	0.042											
			Product:	0.05	1.37	0.014	0.004	0.13	0.29	0.14	0.08	0.04	0.012	0.044	0.00	0.07	0.010	0.02	0.0002	0.21	0.0016	0.000	0.040											
EVRAZ Regina - 528544	AE-134D	12469-T	MILL CONTROL				PIPE TPA				37.841		488		606		32.2		0.80															
			MILL CONTROL				PIPE TWA				38.440				612		0.0		0.00															
			LOT QUALIFIER				PIPE TPA				37.970		492		589		36.4		0.83															
			LOT QUALIFIER				PIPE TWA				38.529				599		0.0		0.00															
			Heat:	0.05	1.35	0.012	0.005	0.17	0.32	0.18	0.09	0.07	0.012	0.046	0.00	0.07	0.011	0.02	0.0003	0.22	0.0023	0.000	0.045											
	AE-134D	V0019	Product:	0.05	1.37	0.012	0.005	0.17	0.32	0.18	0.09	0.07	0.012	0.047	0.00	0.07	0.011	0.02	0.0002	0.22	0.0026	0.002	0.044											
			Product:	0.05	1.35	0.011	0.004	0.17	0.31	0.18	0.09	0.07	0.012	0.047	0.00	0.07	0.010	0.02	0.0002	0.21	0.0033	0.002	0.045											
			EVRAZ Regina - 528545	AE-134D	11687-S	MILL CONTROL				PIPE TPA				37.889		520		606		35.1		0.86												


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																Friday, April 20, 2018, 12:35:59							
																		Certificate ID: 187579-3							
																		Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01					
										Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type			Orientation			Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T						
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl	
		AE-134D 11687-5		MILL CONTROL			PIPE TWA					38.461				618		0.0		0.00					
				Heat:	0.04	1.35	0.012	0.003	0.20	0.26	0.19	0.09	0.06	0.011	0.046	0.00	0.07	0.011	0.02	0.0003	0.20	0.0015	0.000	0.045	
		AE-134D V0027		Product:	0.04	1.35	0.012	0.002	0.20	0.25	0.20	0.09	0.06	0.011	0.051	0.00	0.07	0.010	0.02	0.0002	0.20	0.0017	0.000	0.049	
		AE-134D W0027		Product:	0.04	1.36	0.012	0.002	0.20	0.25	0.20	0.09	0.06	0.011	0.049	0.00	0.07	0.010	0.02	0.0002	0.20	0.0015	0.000	0.047	
EVRAZ Regina - 528592		AE-134D 16597		MILL CONTROL			PIPE TWA					38.379		613		0.0		0.00							
		AE-134D 16597-L		MILL CONTROL			PIPE TPA					37.950		504		596		32.5		0.85					
				Heat:	0.06	1.35	0.011	0.003	0.12	0.28	0.11	0.13	0.03	0.010	0.038	0.00	0.07	0.008	0.02	0.0003	0.22	0.0025	0.002	0.033	
		AE-134D V0002		Product:	0.05	1.36	0.011	0.002	0.13	0.27	0.11	0.13	0.03	0.010	0.043	0.00	0.07	0.008	0.02	0.0002	0.21	0.0023	0.000	0.041	
		AE-134D W0002		Product:	0.05	1.36	0.011	0.003	0.13	0.27	0.11	0.13	0.03	0.010	0.043	0.00	0.07	0.008	0.02	0.0002	0.21	0.0026	0.000	0.041	
EVRAZ Regina - 528593		AE-134D 12711-L		MILL CONTROL			PIPE TPA					37.851		476		581		36.9		0.82					
		AE-134D 12711-L		MILL CONTROL			PIPE TWA					38.400				599		0.0		0.00					
				Heat:	0.05	1.36	0.016	0.003	0.14	0.32	0.11	0.12	0.03	0.010	0.049	0.00	0.07	0.011	0.02	0.0002	0.21	0.0014	0.003	0.048	
		AE-134D V0009		Product:	0.04	1.35	0.016	0.003	0.14	0.31	0.11	0.12	0.03	0.010	0.049	0.00	0.07	0.011	0.02	0.0002	0.20	0.0015	0.000	0.047	
		AE-134D W0009		Product:	0.05	1.35	0.016	0.003	0.15	0.31	0.11	0.12	0.03	0.010	0.051	0.00	0.07	0.011	0.02	0.0001	0.21	0.0018	0.000	0.049	
EVRAZ Regina - 528594		AE-134D 17642-J		MILL CONTROL			PIPE TPA					37.940		483		586		37.4		0.82					
		AE-134D 17642-J		MILL CONTROL			PIPE TWA					38.519				630		0.0		0.00					
				Heat:	0.05	1.36	0.015	0.002	0.16	0.27	0.09	0.12	0.03	0.011	0.043	0.00	0.07	0.009	0.02	0.0003	0.21	0.0023	0.003	0.042	
		AE-134D V0019		Product:	0.05	1.37	0.015	0.003	0.16	0.26	0.09	0.12	0.03	0.011	0.045	0.00	0.07	0.009	0.02	0.0001	0.21	0.0022	0.000	0.043	
		AE-134D W0019		Product:	0.06	1.36	0.015	0.002	0.16	0.26	0.09	0.12	0.03	0.011	0.046	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.044	
EVRAZ Regina - 528595		AE-134D 13722-F		MILL CONTROL			PIPE TPA					37.589		496		600		36.5		0.83					
		AE-134D 13722-F		MILL CONTROL			PIPE TWA					38.410				612		0.0		0.00					
		AE-134D 15480-S		LOT QUALIFIER			PIPE TPA					37.879		449		585		36.6		0.77					
		AE-134D 15480-S		LOT QUALIFIER			PIPE TWA					38.440				594		0.0		0.00					
				Heat:	0.04	1.32	0.016	0.002	0.14	0.31	0.13	0.13	0.05	0.011	0.041	0.00	0.07	0.009	0.02	0.0002	0.21	0.0015	0.003	0.039	
		AE-134D V0029		Product:	0.04	1.31	0.014	0.002	0.14	0.30	0.12	0.13	0.05	0.011	0.044	0.00	0.07	0.011	0.02	0.0001	0.20	0.0018	0.000	0.042	
		AE-134D W0029		Product:	0.04	1.32	0.015	0.002	0.14	0.30	0.12	0.14	0.05	0.011	0.044	0.00	0.07	0.013	0.02	0.0001	0.20	0.0014	0.000	0.042	
EVRAZ Regina - 528596		AE-134D 16957		MILL CONTROL			PIPE TPA					37.821		507		606		34.1		0.84					
		AE-134D 16957		MILL CONTROL			PIPE TWA					38.440				617		0.0		0.00					
				Heat:	0.05	1.35	0.010	0.002	0.17	0.32	0.14	0.12	0.05	0.012	0.036	0.00	0.07	0.009	0.02	0.0003	0.22	0.0017	0.003	0.035	
		AE-134D V0035		Product:	0.05	1.36	0.010	0.004	0.18	0.31	0.14	0.12	0.05	0.012	0.039	0.00	0.07	0.010	0.02	0.0002	0.22	0.0023	0.000	0.037	
		AE-134D V0036		Product:	0.05	1.37	0.010	0.002	0.18	0.31	0.14	0.12	0.05	0.012	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0017	0.000	0.040	
EVRAZ Regina - 528597		AE-134D 14466-T		MILL CONTROL			PIPE TPA					37.770		558		649		29.6		0.86					
		AE-134D 14466-T		MILL CONTROL			PIPE TWA					38.359				631		0.0		0.00					
				Heat:	0.04	1.32	0.010	0.003	0.14	0.28	0.12	0.11	0.04	0.010	0.044	0.00	0.07	0.007	0.02	0.0002	0.20	0.0020	0.003	0.043	
		AE-134D W0043		Product:	0.04	1.34	0.010	0.003	0.15	0.27	0.13	0.12	0.04	0.010	0.047	0.00	0.07	0.008	0.02	0.0001	0.21	0.0016	0.000	0.045	
		AE-134D W0044		Product:	0.04	1.34	0.010	0.003	0.15	0.27	0.13	0.12	0.04	0.010	0.046	0.00	0.07	0.008	0.02	0.0001	0.20	0.0017	0.000	0.044	
EVRAZ Regina - 528632		AE-134D 14805-J		MILL CONTROL			PIPE TPA					37.511		524		609		35.6		0.86					
		AE-134D 14805-J		MILL CONTROL			PIPE TWA					38.430				617		0.0		0.00					
		AE-134D 14880-N		LOT QUALIFIER			PIPE TPA					37.661		519		611		35.4		0.85					
		AE-134D 14880-N		LOT QUALIFIER			PIPE TWA					38.420				621		0.0		0.00					
				Heat:	0.06	1.36	0.009	0.004	0.17	0.30	0.22	0.13	0.06	0.012	0.047	0.00	0.07	0.011	0.02	0.0002	0.23	0.0022	0.002	0.045	
		AE-134D V0009		Product:	0.06	1.37	0.009	0.003	0.19	0.29	0.22	0.13	0.06	0.013	0.054	0.00	0.07	0.010	0.02	0.0002	0.23	0.0028	0.000	0.052	
		AE-134D W0009		Product:	0.06	1.34	0.008	0.003	0.18	0.29	0.21	0.13	0.06	0.012	0.050	0.00	0.07	0.011	0.02	0.0001	0.23	0.0024	0.000	0.048	
EVRAZ Regina - 528633		AE-134D 14924-M		MILL CONTROL			PIPE TPA					37.541		520		601		35.4		0.87					
		AE-134D 14924-M		MILL CONTROL			PIPE TWA					38.420				617		0.0		0.00					
				Heat:	0.05	1.35	0.008	0.003	0.17	0.34	0.17	0.11	0.05	0.014	0.049	0.00	0.07	0.009	0.02	0.0002	0.21	0.0022	0.002	0.048	
		AE-134D V0012		Product:	0.05	1.34	0.008	0.003	0.17	0.33	0.17	0.11	0.05	0.014	0.052	0.00	0.07	0.010	0.02	0.0001	0.21	0.0019	0.000	0.050	
		AE-134D W0012		Product:	0.05	1.34	0.008	0.002	0.17	0.33	0.17	0.11	0.05	0.014	0.052	0.00	0.07	0.010	0.02	0.0001	0.21	0.0020	0.000	0.050	
EVRAZ Regina - 528634		AE-134D 13632-T		MILL CONTROL			PIPE TPA					37.511		509		600		36.5		0.85					
		AE-134D 13632-T		MILL CONTROL			PIPE TWA					38.461				610		0.0		0.00					
				Heat:	0.05	1.34	0.008	0.002	0.18	0.34	0.15	0.09	0.05	0.014	0.045	0.00	0.07	0.010	0.02	0.0003	0.21	0.0019	0.002	0.043	
		AE-134D V0019		Product:	0.05	1.35	0.007	0.002	0.18	0.32	0.15	0.09	0.05	0.015	0.052	0.00	0.07	0.010	0.02	0.0002	0.22	0.0025	0.000	0.050	
		AE-134D W0019		Product:	0.05	1.35	0.007	0.002	0.18	0.32	0.15	0.09	0.05	0.015	0.051	0.00	0.07	0.010	0.02	0.0002	0.21	0.0021	0.000	0.049	
EVRAZ Regina - 528635		AE-134D 13931-S		MILL CONTROL			PIPE TPA					37.691		508		600		36.5		0.85					
		AE-134D 13931-S		MILL CONTROL			PIPE TWA					38.440				609		0.0		0.00					
		AE-134D 21908-T		LOT QUALIFIER			PIPE TPA					38.049		483		580		36.1		0.83					
		AE-134D 21908-T		LOT QUALIFIER			PIPE TWA					38.641				591		0.0		0.00					
				Heat:	0.04	1.36	0.008	0.004	0.15	0.30	0.14	0.13	0.05	0.013	0.044	0.00	0.07	0.010	0.02	0.0002	0.21	0.0027	0.002	0.043	
		AE-134D V0026		Product:	0.04	1.37	0.008	0.004	0.15	0.29	0.15	0.13	0.06	0.013	0.048	0.00	0.07	0.010	0.02	0.0001	0.21	0.0021	0.000	0.046	
		AE-134D W0026		Product:	0.05	1.37	0.008	0.003	0.15	0.29	0.15	0.13	0.05	0.013	0.048	0.00	0.07	0.010	0.02	0.0001	0.22	0.0022	0.000	0.046	
EVRAZ Regina - 528636		AE-134D 15673-M		MILL CONTROL			PIPE TPA					37.841		490		587		37.2		0.83					


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																				Friday, April 20, 2018, 12:35:59			
																						Certificate ID: 187579-3			
																						Customer PO: APPL 45709			
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2 Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements										Mill Order No: WA 054675-01					
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)			YS (MPa)		UTS (MPa)		Elong%(50mm)		Y/T					
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl	
		AE-134D 15673-M	MILL CONTROL	PIPE TWA				38.440						605		0.0		0.00							
			Heat:	0.05	1.33	0.009	0.002	0.14	0.28	0.14	0.11	0.04	0.010	0.045	0.00	0.07	0.010	0.02	0.0002	0.20	0.0025	0.003	0.044		
		AE-134D V0032	Product:	0.05	1.34	0.008	0.002	0.15	0.28	0.14	0.12	0.04	0.011	0.051	0.00	0.07	0.010	0.02	0.0001	0.21	0.0032	0.000	0.049		
		AE-134D W0032	Product:	0.05	1.31	0.008	0.002	0.14	0.27	0.14	0.12	0.04	0.010	0.050	0.00	0.07	0.010	0.02	0.0001	0.20	0.0026	0.000	0.048		
EVRAZ Regina - 528637		AE-134D 16659	MILL CONTROL	PIPE TWA				38.481						597		0.0		0.00							
		AE-134D 16659-F	MILL CONTROL	PIPE TPA				37.790				475		586		36.0		0.81							
			Heat:	0.05	1.34	0.009	0.003	0.12	0.26	0.12	0.12	0.04	0.010	0.042	0.00	0.07	0.009	0.02	0.0002	0.21	0.0027	0.002	0.041		
		AE-134D V0039	Product:	0.05	1.34	0.008	0.002	0.12	0.25	0.12	0.12	0.04	0.010	0.045	0.00	0.07	0.011	0.02	0.0001	0.21	0.0027	0.000	0.043		
		AE-134D W0039	Product:	0.05	1.35	0.008	0.003	0.12	0.25	0.12	0.12	0.04	0.009	0.046	0.00	0.07	0.010	0.02	0.0001	0.21	0.0031	0.000	0.044		
EVRAZ Regina - 528638		AE-134D 15013-V	MILL CONTROL	PIPE TPA				37.490				498		581		36.9		0.86							
		AE-134D 15013-V	MILL CONTROL	PIPE TWA				38.379						590		0.0		0.00							
			Heat:	0.04	1.33	0.009	0.003	0.14	0.27	0.12	0.10	0.03	0.010	0.047	0.00	0.07	0.010	0.02	0.0002	0.20	0.0026	0.002	0.046		
		AE-134D V0046	Product:	0.04	1.34	0.008	0.003	0.14	0.26	0.12	0.10	0.03	0.010	0.051	0.00	0.07	0.011	0.02	0.0001	0.20	0.0032	0.000	0.049		
		AE-134D W0046	Product:	0.04	1.34	0.008	0.003	0.14	0.26	0.12	0.10	0.03	0.010	0.052	0.00	0.07	0.010	0.02	0.0001	0.20	0.0031	0.000	0.050		
EVRAZ Regina - 528639		AE-134D 17046	MILL CONTROL	PIPE TWA				38.440						616		0.0		0.00							
		AE-134D 17046-F	MILL CONTROL	PIPE TPA				37.970				512		601		34.7		0.85							
			Heat:	0.05	1.34	0.011	0.004	0.17	0.31	0.12	0.11	0.03	0.018	0.032	0.00	0.07	0.009	0.02	0.0002	0.21	0.0016	0.002	0.031		
		AE-134D V0054	Product:	0.04	1.35	0.011	0.004	0.17	0.30	0.12	0.11	0.03	0.020	0.034	0.00	0.07	0.010	0.02	0.0001	0.20	0.0016	0.000	0.032		
		AE-134D W0054	Product:	0.04	1.35	0.011	0.004	0.17	0.30	0.12	0.10	0.03	0.019	0.033	0.00	0.07	0.010	0.02	0.0001	0.20	0.0014	0.000	0.031		
EVRAZ Regina - 528679		AE-134D 17955-T	MILL CONTROL	PIPE TPA				37.950				498		603		36.8		0.83							
		AE-134D 17955-T	MILL CONTROL	PIPE TWA				38.580						611		0.0		0.00							
			Heat:	0.06	1.35	0.009	0.003	0.17	0.32	0.15	0.09	0.06	0.012	0.038	0.00	0.07	0.010	0.02	0.0003	0.22	0.0021	0.002	0.037		
		AE-134D V0002	Product:	0.06	1.36	0.009	0.004	0.17	0.31	0.14	0.09	0.06	0.012	0.041	0.00	0.07	0.010	0.02	0.0003	0.22	0.0029	0.000	0.039		
		AE-134D W0002	Product:	0.05	1.35	0.009	0.003	0.17	0.30	0.15	0.09	0.06	0.012	0.040	0.00	0.07	0.011	0.02	0.0003	0.21	0.0026	0.000	0.038		
EVRAZ Regina - 528680		AE-134D 16266-L	MILL CONTROL	PIPE TPA				37.981				449		597		35.2		0.75							
		AE-134D 16266-L	MILL CONTROL	PIPE TWA				38.420						604		0.0		0.00							
		AE-134D 16341-M	LOT QUALIFIER	PIPE TPA				37.899				490		599		34.9		0.82							
		AE-134D 16341-M	LOT QUALIFIER	PIPE TWA				38.369						615		0.0		0.00							
			Heat:	0.06	1.34	0.009	0.005	0.14	0.29	0.11	0.08	0.04	0.011	0.030	0.00	0.07	0.010	0.02	0.0002	0.22	0.0023	0.002	0.029		
		AE-134D V0005	Product:	0.06	1.35	0.009	0.005	0.14	0.28	0.11	0.08	0.04	0.011	0.031	0.00	0.07	0.010	0.02	0.0001	0.22	0.0026	0.000	0.029		
		AE-134D W0006	Product:	0.07	1.35	0.009	0.005	0.14	0.28	0.11	0.08	0.04	0.011	0.032	0.00	0.07	0.010	0.02	0.0001	0.23	0.0024	0.000	0.030		
EVRAZ Regina - 528681		AE-134D 17166	MILL CONTROL	PIPE TWA				38.461						604		0.0		0.00							
		AE-134D 17166-M	MILL CONTROL	PIPE TPA				37.879				485		594		33.5		0.82							
		AE-134D 19698-S	LOT QUALIFIER	PIPE TPA				38.171				466		585		34.0		0.80							
		AE-134D 19698-S	LOT QUALIFIER	PIPE TWA				38.611						595		0.0		0.00							
			Heat:	0.06	1.35	0.011	0.004	0.12	0.30	0.13	0.09	0.03	0.011	0.038	0.00	0.07	0.009	0.02	0.0002	0.22	0.0022	0.003	0.037		
		AE-134D W0015	Product:	0.06	1.36	0.011	0.005	0.12	0.29	0.13	0.09	0.03	0.011	0.041	0.00	0.07	0.010	0.02	0.0001	0.22	0.0035	0.000	0.039		
		AE-134D W0016	Product:	0.06	1.36	0.010	0.005	0.13	0.29	0.13	0.09	0.03	0.011	0.040	0.00	0.07	0.010	0.02	0.0001	0.22	0.0024	0.000	0.038		
EVRAZ Regina - 528682		AE-134D 17405	MILL CONTROL	PIPE TWA				38.451						602		0.0		0.00							
		AE-134D 17405-L	MILL CONTROL	PIPE TPA				37.960				491		585		36.0		0.84							
		AE-136A 23613	MILL CONTROL	PIPE TPA				37.869				483		596		33.8		0.81							
		AE-136A 23613	MILL CONTROL	PIPE TWA				38.379						602		0.0		0.00							
			Heat:	0.04	1.35	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.010	0.043	0.00	0.07	0.008	0.02	0.0002	0.20	0.0030	0.002	0.041		
		AE-134D V0022	Product:	0.04	1.36	0.011	0.005	0.14	0.26	0.14	0.11	0.04	0.010	0.045	0.00	0.07	0.009	0.02	0.0001	0.20	0.0030	0.000	0.043		
		AE-136A V0022	Product:	0.04	1.36	0.011	0.005	0.14	0.26	0.14	0.11	0.04	0.010	0.045	0.00	0.07	0.009	0.02	0.0001	0.20	0.0030	0.000	0.043		
		AE-134D W0022	Product:	0.04	1.34	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.009	0.045	0.00	0.07	0.008	0.02	0.0001	0.20	0.0033	0.000	0.043		
		AE-136A W0022	Product:	0.04	1.34	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.009	0.045	0.00	0.07	0.008	0.02	0.0001	0.20	0.0033	0.000	0.043		
EVRAZ Regina - 528683		AE-134D 15762-N	MILL CONTROL	PIPE TPA				37.930				484		586		34.9		0.83							
		AE-134D 15762-N	MILL CONTROL	PIPE TWA				38.430						599		0.0		0.00							
		AE-134D 15793-T	APPLY / TEST	PIPE TPA				37.861				478		585		33.4		0.82							
			Heat:	0.05	1.33	0.010	0.003	0.15	0.24	0.10	0.11	0.03	0.008	0.038	0.00	0.07	0.007	0.02	0.0002	0.20	0.0026	0.002	0.038		
		AE-134D V0029	Product:	0.05	1.33	0.010	0.003	0.15	0.23	0.10	0.11	0.03	0.008	0.041	0.00	0.07	0.008	0.02	0.0001	0.20	0.0027	0.000	0.039		
		AE-134D W0029	Product:	0.04	1.34	0.010	0.003	0.16	0.23	0.10	0.11	0.03	0.009	0.040	0.00	0.07	0.007	0.02	0.0001	0.20	0.0032	0.000	0.038		
EVRAZ Regina - 528725		AE-134D 17345	MILL CONTROL	PIPE TWA				38.440						602		0.0		0.00							
		AE-134D 17345-J	MILL CONTROL	PIPE TPA				37.960				475		586		32.2		0.81							
			Heat:	0.05	1.35	0.010	0.004	0.17	0.28	0.11	0.09	0.04	0.011	0.040	0.00	0.07	0.010	0.02	0.0003	0.21	0.0022	0.002	0.037		
		AE-134D V0012	Product:	0.05	1.34	0.010	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0.00	0.07	0.010	0.02	0.0002	0.20	0.0018	0.000	0.041		
		AE-134D W0012	Product:	0.05	1.35	0.011	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0.00	0.07	0.010	0.02	0.0002	0.20	0.0015	0.000	0.041		
EVRAZ Regina - 528726		AE-134D 15852-S	MILL CONTROL	PIPE TPA				37.729				483		589		33.4		0.82							
		AE-134D 15852-S	MILL CONTROL	PIPE TWA				38.420						598		0.0		0.00							
		AE-134D 17910-V	LOT QUALIFIER	PIPE TPA				37.910				484		589		35.9		0.82							



 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																Friday, April 20, 2018, 12:35:59										
																		Certificate ID: 187579-3										
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2								Customer PO: APPL 45709								
Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																Mill Order No: WA 054675-01												
Supplier - Heat			Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T						
			Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl					
			AE-134D 17910-V			LOT QUALIFIER			PIPE TWA				38.539						601		0.0		0.00					
			Heat:			0.05	1.33	0.009	0.003	0.12	0.28	0.11	0.08	0.04	0.011	0.041	0.00	0.07	0.008	0.02	0.0002	0.20	0.0023	0.002	0.039			
			Product:			0.05	1.34	0.010	0.003	0.12	0.28	0.11	0.08	0.04	0.011	0.044	0.00	0.07	0.009	0.02	0.0001	0.21	0.0020	0.000	0.042			
			Product:			0.05	1.34	0.009	0.003	0.12	0.27	0.11	0.08	0.04	0.011	0.044	0.00	0.07	0.008	0.02	0.0001	0.20	0.0026	0.000	0.042			
EVRAZ Regina - 528727			AE-134D 17985-V			MILL CONTROL			PIPE TPA				37.991				488		576		36.8		0.85					
			AE-134D 17985-V			MILL CONTROL			PIPE TWA				38.550						593		0.0		0.00					
			AE-134D 18430-K			LOT QUALIFIER			PIPE TPA				38.029				468		580		37.3		0.81					
			AE-134D 18430-K			LOT QUALIFIER			PIPE TWA				38.471						592		0.0		0.00					
			Heat:			0.04	1.31	0.010	0.003	0.15	0.29	0.11	0.10	0.04	0.012	0.035	0.00	0.07	0.009	0.01	0.0002	0.20	0.0025	0.002	0.033			
			Product:			0.05	1.32	0.010	0.003	0.16	0.28	0.12	0.11	0.04	0.013	0.037	0.00	0.07	0.009	0.02	0.0001	0.20	0.0023	0.000	0.035			
			AE-134D W0022			Product:			0.05	1.31	0.010	0.003	0.16	0.28	0.12	0.11	0.04	0.013	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0022	0.000	0.035
EVRAZ Regina - 528728			AE-134D 16749			MILL CONTROL			PIPE TWA				38.410						614		0.0		0.00					
			AE-134D 16749-K			MILL CONTROL			PIPE TPA				38.011				483		593		33.2		0.81					
			AE-134D 16823			LOT QUALIFIER			PIPE TWA				38.430						610		0.0		0.00					
			AE-134D 16823-H			LOT QUALIFIER			PIPE TPA				37.879				492		596		35.4		0.83					
			Heat:			0.05	1.35	0.010	0.003	0.19	0.28	0.14	0.12	0.04	0.011	0.048	0.00	0.07	0.009	0.02	0.0002	0.21	0.0025	0.003	0.047			
			Product:			0.05	1.36	0.010	0.004	0.19	0.27	0.14	0.12	0.05	0.011	0.050	0.00	0.07	0.010	0.02	0.0001	0.21	0.0022	0.000	0.048			
			AE-134D W0030			Product:			0.05	1.36	0.010	0.004	0.19	0.28	0.14	0.12	0.05	0.010	0.049	0.00	0.07	0.010	0.02	0.0001	0.21	0.0029	0.000	0.047
EVRAZ Regina - 528729			AE-134D 17116			MILL CONTROL			PIPE TWA				38.509						603		0.0		0.00					
			AE-134D 17116-L			MILL CONTROL			PIPE TPA				37.889				487		588		36.4		0.83					
			Heat:			0.05	1.33	0.009	0.003	0.16	0.30	0.13	0.11	0.05	0.011	0.039	0.00	0.07	0.010	0.02	0.0003	0.21	0.0020	0.003	0.037			
			Product:			0.05	1.32	0.010	0.003	0.15	0.29	0.13	0.11	0.05	0.011	0.041	0.00	0.07	0.011	0.01	0.0001	0.21	0.0024	0.000	0.039			
			AE-134D W0036			Product:			0.05	1.33	0.009	0.003	0.16	0.29	0.13	0.11	0.06	0.011	0.041	0.00	0.07	0.011	0.02	0.0001	0.21	0.0018	0.000	0.039
EVRAZ Regina - 528768			AE-134D 20172-F			MILL CONTROL			PIPE TPA				38.021				489		583		38.1		0.84					
			AE-134D 20172-F			MILL CONTROL			PIPE TWA				38.461						592		0.0		0.00					
			AE-134D 20841-H			LOT QUALIFIER			PIPE TPA				38.100				459		592		36.3		0.78					
			AE-134D 20841-H			LOT QUALIFIER			PIPE TWA				38.590						601		0.0		0.00					
			Heat:			0.05	1.35	0.008	0.003	0.19	0.23	0.08	0.10	0.02	0.008	0.040	0.00	0.07	0.010	0.02	0.0002	0.21	0.0025	0.003	0.039			
			Product:			0.05	1.36	0.008	0.003	0.19	0.22	0.08	0.11	0.02	0.008	0.043	0.00	0.07	0.010	0.02	0.0001	0.21	0.0020	0.000	0.041			
			AE-134D W0005			Product:			0.05	1.36	0.008	0.003	0.19	0.22	0.08	0.11	0.02	0.008	0.043	0.00	0.07	0.010	0.02	0.0001	0.21	0.0022	0.000	0.041
			AE-134D W0006			Product:			0.05	1.36	0.008	0.003	0.19	0.22	0.08	0.11	0.02	0.008	0.043	0.00	0.07	0.010	0.02	0.0001	0.21	0.0022	0.000	0.041
EVRAZ Regina - 528769			AE-134D 21653-N			MILL CONTROL			PIPE TPA				38.189				479		589		38.8		0.81					
			AE-134D 21653-N			MILL CONTROL			PIPE TWA				38.580						595		0.0		0.00					
			Heat:			0.05	1.33	0.009	0.003	0.17	0.26	0.10	0.09	0.03	0.009	0.045	0.00	0.07	0.009	0.02	0.0002	0.20	0.0027	0.003	0.044			
			Product:			0.05	1.36	0.009	0.003	0.18	0.26	0.10	0.09	0.03	0.009	0.046	0.00	0.07	0.010	0.02	0.0001	0.21	0.0018	0.000	0.044			
			AE-134D V0012			Product:			0.05	1.36	0.009	0.003	0.18	0.26	0.10	0.09	0.03	0.009	0.046	0.00	0.07	0.010	0.02	0.0001	0.21	0.0018	0.000	0.044
			AE-134D W0012			Product:			0.05	1.34	0.009	0.003	0.17	0.25	0.10	0.09	0.03	0.009	0.047	0.00	0.07	0.010	0.02	0.0001	0.20	0.0020	0.000	0.045
EVRAZ Regina - 528772			AE-134D 18938-T			MILL CONTROL			PIPE TPA				38.130				493		591		36.8		0.83					
			AE-134D 18938-T			MILL CONTROL			PIPE TWA				38.519						612		0.0		0.00					
			AE-134D 19027-T			LOT QUALIFIER			PIPE TPA				38.049				494		600		36.1		0.82					
			AE-134D 19027-T			LOT QUALIFIER			PIPE TWA				38.509						611		0.0		0.00					
			Heat:			0.04	1.35	0.010	0.002	0.19	0.26	0.12	0.14	0.04	0.009	0.049	0.00	0.07	0.009	0.02	0.0003	0.20	0.0025	0.003	0.048			
			Product:			0.04	1.37	0.010	0.002	0.19	0.26	0.12	0.14	0.05	0.009	0.052	0.00	0.07	0.009	0.02	0.0002	0.21	0.0025	0.000	0.049			
			AE-134D W0028			Product:			0.04	1.38	0.010	0.002	0.19	0.26	0.12	0.14	0.05	0.009	0.052	0.00	0.07	0.009	0.02	0.0002	0.21	0.0020	0.000	0.049
EVRAZ Regina - 528773			AE-134D 18790-N			MILL CONTROL			PIPE TPA				37.960				508		592		36.8		0.86					
			AE-134D 18790-N			MILL CONTROL			PIPE TWA				38.570						612		0.0		0.00					
			AE-134D 21444-F			LOT QUALIFIER			PIPE TPA				38.240				496		614		33.4		0.81					
			AE-134D 21444-F			LOT QUALIFIER			PIPE TWA				38.560						630		0.0		0.00					
			Heat:			0.05	1.39	0.010	0.002	0.21	0.25	0.10	0.12	0.04	0.010	0.040	0.00	0.07	0.010	0.02	0.0003	0.22	0.0018	0.002	0.040			
			Product:			0.05	1.40	0.010	0.001	0.21	0.25	0.10	0.12	0.03	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.22	0.0017	0.000	0.040			
			AE-134D V0035			Product:			0.05	1.40	0.010	0.001	0.21	0.25	0.10	0.12	0.03	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.22	0.0020	0.000	0.040
			AE-134D W0036			Product:			0.05	1.40	0.010	0.001	0.21	0.25	0.10	0.12	0.03	0.010	0.043	0.00	0.07	0.010	0.02	0.0002	0.22	0.0020	0.000	0.040
EVRAZ Regina - 528807			AE-134D 20410-K			MILL CONTROL			PIPE TPA				38.130				495		575		37.4		0.86					
			AE-134D 20410-K			MILL CONTROL			PIPE TWA				38.590						588		0.0		0.00					
			Heat:			0.05	1.34	0.010	0.003	0.13	0.24	0.10	0.09	0.03	0.010	0.049	0.00	0.07	0.010	0.02	0.0002	0.20	0.0023	0.002	0.047			
			Product:			0.05	1.34	0.009	0.004	0.14	0.23	0.10	0.10	0.04	0.010	0.053	0.00	0.07	0.010	0.02	0.0001	0.20	0.0022	0.000	0.051			
			AE-134D W0002			Product:			0.05	1.35	0.010	0.004	0.14	0.23	0.10	0.10	0.03	0.010	0.052	0.00	0.07	0.010	0.02	0.0001	0.21	0.0020	0.000	0.050
EVRAZ Regina - 528808			AE-134D 19282-T			MILL CONTROL			PIPE TPA				37.981				484		591		34.2		0.82					
			AE-134D 19282-T			MILL CONTROL			PIPE TWA				38.590						603		0.0		0.00					
			AE-134D 19477-M			LOT QUALIFIER			PIPE TPA				37.930				492		601		33.3		0.82					
			AE-134D 19477-M			LOT QUALIFIER			PIPE TWA				38.580						609		0.0		0.00					
			Heat:			0.05	1.35	0.011	0.004	0.15	0.26	0.11	0.09	0.03	0.010	0.037	0.00	0.07	0.010	0.01	0.0002	0.21	0.0014	0.002	0.033			
			Product:			0.06	1.36	0.011	0.004	0.16	0.26	0.11	0.10	0.03	0.010	0.039	0.00	0.06	0.010	0.02	0.0001	0.22	0.0029	0.000	0.035			
			AE-134D W0006			Product:			0.06	1.37	0.011	0.004	0.16	0.26	0.11	0.10	0.03	0.010	0.040	0.00	0.07	0.010	0.02	0.0001	0.22	0.0032	0.000	0.036


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																Friday, April 20, 2018, 12:35:59							
																		Certificate ID: 187579-3							
																		Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR-414-2 Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements										Mill Order No: WA 054675-01					
Supplier - Heat			Product ID		Test Type			Orientation			Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T					
					Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 528809	AE-134D	18715-J	MILL CONTROL			PIPE TPA						38.151		486		594		34.9		0.82					
	AE-134D	18715-J	MILL CONTROL			PIPE TWA						38.481				608		0.0		0.00					
	AE-134D	20066-T	LOT QUALIFIER			PIPE TPA						38.080		489		593		35.6		0.82					
	AE-134D	20066-T	LOT QUALIFIER			PIPE TWA						38.580				606		0.0		0.00					
	AE-134D	V0009	Heat:	0.05	1.34	0.008	0.003	0.14	0.29	0.12	0.08	0.05	0.010	0.042	0.00	0.07	0.010	0.02	0.0002	0.21	0.0021	0.003	0.042		
	AE-134D	W0009	Product:	0.05	1.34	0.007	0.003	0.14	0.29	0.12	0.08	0.06	0.010	0.045	0.00	0.07	0.010	0.02	0.0001	0.20	0.0031	0.000	0.040		
EVRAZ Regina - 528810	AE-134D	18864-S	MILL CONTROL			PIPE TPA						38.011		482		588		35.9		0.82					
	AE-134D	18864-S	MILL CONTROL			PIPE TWA						38.550				602		0.0		0.00					
	AE-134D	V0016	Heat:	0.04	1.34	0.009	0.003	0.12	0.33	0.10	0.08	0.05	0.011	0.035	0.00	0.07	0.009	0.02	0.0002	0.20	0.0022	0.003	0.033		
	AE-134D	V0016	Product:	0.05	1.35	0.009	0.003	0.12	0.33	0.10	0.08	0.05	0.011	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0031	0.000	0.035		
	AE-134D	W0016	Product:	0.05	1.36	0.009	0.004	0.12	0.33	0.10	0.08	0.05	0.011	0.038	0.00	0.07	0.010	0.02	0.0004	0.21	0.0033	0.000	0.035		
	AE-134D	W0016	Product:	0.05	1.36	0.009	0.004	0.12	0.33	0.10	0.08	0.05	0.011	0.038	0.00	0.07	0.010	0.02	0.0004	0.21	0.0033	0.000	0.035		
EVRAZ Regina - 528811	AE-134D	19057-K	MILL CONTROL			PIPE TPA						37.940		495		582		36.2		0.85					
	AE-134D	19057-K	MILL CONTROL			PIPE TWA						38.570				603		0.0		0.00					
	AE-134D	V0023	Heat:	0.05	1.37	0.008	0.003	0.11	0.27	0.12	0.08	0.06	0.010	0.040	0.00	0.07	0.013	0.02	0.0002	0.21	0.0022	0.003	0.039		
	AE-134D	V0023	Product:	0.05	1.39	0.008	0.003	0.11	0.26	0.12	0.08	0.06	0.010	0.041	0.00	0.07	0.014	0.02	0.0001	0.21	0.0022	0.000	0.035		
	AE-134D	W0023	Product:	0.05	1.38	0.007	0.003	0.11	0.26	0.12	0.08	0.06	0.010	0.042	0.00	0.07	0.014	0.02	0.0001	0.21	0.0024	0.000	0.037		
	AE-134D	W0023	Product:	0.05	1.38	0.007	0.003	0.11	0.26	0.12	0.08	0.06	0.010	0.042	0.00	0.07	0.014	0.02	0.0001	0.21	0.0024	0.000	0.037		
EVRAZ Regina - 528812	AE-134D	19357-T	MILL CONTROL			PIPE TPA						38.001		490		577		35.3		0.85					
	AE-134D	19357-T	MILL CONTROL			PIPE TWA						38.570				589		0.0		0.00					
	AE-134D	19366-M	APPLY / TEST			PIPE TPA						37.970		483		583		36.3		0.83					
	AE-134D	19423-T	LOT QUALIFIER			PIPE TPA						37.960		474		577		33.9		0.82					
	AE-134D	19423-T	LOT QUALIFIER			PIPE TWA						38.590				592		0.0		0.00					
	AE-134D	432	Heat:	0.05	1.34	0.009	0.002	0.13	0.26	0.10	0.08	0.03	0.009	0.036	0.00	0.07	0.009	0.02	0.0002	0.20	0.0024	0.002	0.035		
EVRAZ Regina - 528853	AE-134D	433	Product:	0.05	1.35	0.009	0.002	0.13	0.25	0.10	0.08	0.03	0.009	0.036	0.00	0.07	0.010	0.02	0.0001	0.20	0.0023	0.000	0.032		
	AE-134D	433	Product:	0.05	1.35	0.009	0.002	0.13	0.25	0.10	0.08	0.03	0.009	0.036	0.00	0.07	0.010	0.02	0.0001	0.20	0.0023	0.000	0.032		
	AE-134D	21743-J	MILL CONTROL			PIPE TPA						38.260		473		614		36.0		0.77					
	AE-134D	21743-J	MILL CONTROL			PIPE TWA						38.621				620		0.0		0.00					
	AE-136A	23628	MILL CONTROL			PIPE TPA						37.920		491		614		35.6		0.80					
	AE-136A	23628	MILL CONTROL			PIPE TWA						38.420				621		0.0		0.00					
EVRAZ Regina - 528854	AE-134D	V0016	Heat:	0.06	1.38	0.011	0.003	0.21	0.36	0.11	0.09	0.04	0.011	0.051	0.00	0.07	0.010	0.02	0.0002	0.22	0.0010	0.001	0.046		
	AE-134D	V0016	Product:	0.05	1.36	0.010	0.003	0.21	0.34	0.11	0.09	0.04	0.010	0.054	0.00	0.06	0.009	0.02	0.0001	0.21	0.0013	0.000	0.052		
	AE-136A	V0016	Product:	0.05	1.36	0.010	0.003	0.21	0.34	0.11	0.09	0.04	0.010	0.054	0.00	0.06	0.009	0.02	0.0001	0.21	0.0013	0.000	0.052		
	AE-134D	W0016	Product:	0.05	1.38	0.010	0.003	0.21	0.35	0.11	0.09	0.04	0.011	0.053	0.00	0.07	0.009	0.02	0.0001	0.22	0.0013	0.000	0.051		
	AE-136A	W0016	Product:	0.05	1.38	0.010	0.003	0.21	0.35	0.11	0.09	0.04	0.011	0.053	0.00	0.07	0.009	0.02	0.0001	0.22	0.0013	0.000	0.051		
	AE-136A	W0016	Product:	0.05	1.38	0.010	0.003	0.21	0.35	0.11	0.09	0.04	0.011	0.053	0.00	0.07	0.009	0.02	0.0001	0.22	0.0013	0.000	0.051		
EVRAZ Regina - 528855	AE-134D	21291-M	MILL CONTROL			PIPE TPA						38.161		472		603		33.3		0.78					
	AE-134D	21291-M	MILL CONTROL			PIPE TWA						38.570				611		0.0		0.00					
	AE-136A	22731	MILL CONTROL			PIPE TWA						38.689				610		0.0		0.00					
	AE-136A	22731-J	MILL CONTROL			PIPE TPA						37.910		468		597		33.9		0.78					
	AE-134D	V0022	Heat:	0.06	1.35	0.010	0.003	0.18	0.30	0.10	0.09	0.03	0.010	0.031	0.00	0.07	0.007	0.02	0.0002	0.22	0.0010	0.002	0.031		
	AE-134D	V0022	Product:	0.05	1.34	0.009	0.004	0.18	0.29	0.10	0.09	0.03	0.010	0.033	0.00	0.07	0.009	0.02	0.0001	0.21	0.0010	0.000	0.031		
EVRAZ Regina - 528856	AE-134D	V0022	Product:	0.05	1.34	0.009	0.004	0.18	0.29	0.10	0.09	0.03	0.010	0.033	0.00	0.07	0.009	0.02	0.0001	0.21	0.0010	0.000	0.031		
	AE-134D	W0022	Product:	0.06	1.36	0.009	0.003	0.18	0.29	0.10	0.09	0.03	0.010	0.033	0.00	0.07	0.008	0.02	0.0001	0.22	0.0014	0.000	0.031		
	AE-136A	W0022	Product:	0.06	1.36	0.009	0.003	0.18	0.29	0.10	0.09	0.03	0.010	0.033	0.00	0.07	0.008	0.02	0.0001	0.22	0.0014	0.000	0.031		
	AE-134D	21954-K	MILL CONTROL			PIPE TPA						38.029		513		614		33.2		0.83					
	AE-134D	21954-K	MILL CONTROL			PIPE TWA						38.611				621		0.0		0.00					
	AE-134D	V0029	Heat:	0.05	1.31	0.012	0.003	0.19	0.36	0.11	0.11	0.04	0.011	0.038	0.00	0.07	0.006	0.02	0.0002	0.21	0.0009	0.001	0.037		
EVRAZ Regina - 528864	AE-134D	V0029	Product:	0.05	1.32	0.012	0.003	0.19	0.35	0.12	0.11	0.05	0.012	0.040	0.00	0.07	0.006	0.02	0.0001	0.21	0.0012	0.000	0.038		
	AE-134D	W0029	Product:	0.05	1.30	0.011	0.003	0.19	0.35	0.11	0.11	0.05	0.011	0.040	0.00	0.07	0.007	0.02	0.0001	0.21	0.0009	0.000	0.038		
	AE-134D	20691-K	MILL CONTROL			PIPE TPA						38.151		488		596		33.6		0.82					
	AE-134D	20691-K	MILL CONTROL			PIPE TWA						38.529				608		0.0		0.00					
	AE-134D	21241-L	LOT QUALIFIER			PIPE TPA						38.070		484		606		34.9		0.80					
	AE-134D	21241-L	LOT QUALIFIER			PIPE TWA						38.600				614		0.0		0.00					
EVRAZ Regina - 528865	AE-134D	V0005	Heat:	0.05	1.36	0.008	0.004	0.18	0.33	0.11	0.11	0.05	0.010	0.037	0.00	0.07	0.010	0.02	0.0002	0.22	0.0029	0.001	0.036		
	AE-134D	V0006	Product:	0.06	1.33	0.007	0.004	0.18	0.30	0.11	0.11	0.05	0.010	0.041	0.00	0.07	0.010	0.02	0.0002	0.22	0.0026	0.000	0.039		
	AE-134D	V0006	Product:	0.06	1.35	0.008	0.004	0.19	0.32	0.11	0.11	0.05	0.010	0.040	0.00	0.07	0.010	0.02	0.0001	0.22	0.0021	0.000	0.038		
	AE-134D	19741-M	MILL CONTROL			PIPE TPA						37.910		491		603		35.4		0.81					
	AE-134D	19741-M	MILL CONTROL			PIPE TWA						38.611				619		0.0		0.00					
	AE-136A	24098-K	MILL CONTROL			PIPE TPA						37.960		469		607		34.3		0.77					
EVRAZ Regina - 528866	AE-136A	24098-K	MILL CONTROL			PIPE TWA						38.440				620		0.0		0.00					
	AE-134D	V0012	Heat:	0.06	1.35	0.009	0.002	0.17	0.30	0.12	0.12	0.06	0.012	0.038	0.00	0.07	0.009	0.02	0.0002	0.22	0.0022	0.001	0.037		
	AE-134D	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.039		
	AE-134D	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.039		
	AE-134D	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.039		
	AE-134D	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.039		


<div></div> <div>Camrose ERW</div>		EVRAZ Camrose																		Friday, April 20, 2018, 12:35:59											
		CERTIFICATE OF TESTING																		Certificate ID: 187579-3											
		Tensile & Chemistry																		Customer PO: APPL 45709											
Customer: ALBERTA PRODUCTS PIPE LINE LTD.				Diameter: 323.9 mm														Wall Thickness: 9.500 mm				Grade: GR.414-2				Mill Order No: WA 054675-01					
				Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																											
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T		CEQ		Ca	Ce	SoAl				
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B											
EVRAZ Regina - 528866	AE-136A	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0.00	0.07	0.009	0.02	0.0001	0.22	0.0020	0.000	0.039								
	AE-134D	W0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.12	0.13	0.06	0.012	0.041	0.00	0.07	0.011	0.02	0.0001	0.22	0.0022	0.000	0.039								
	AE-136A	W0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.12	0.13	0.06	0.012	0.041	0.00	0.07	0.011	0.02	0.0001	0.22	0.0022	0.000	0.039								
	AE-134D	21579-S	MILL CONTROL	PIPE TPA						38.290		523		607		34.8		0.86													
	AE-134D	21579-S	MILL CONTROL	PIPE TWA						38.560				610		0.0		0.00													
	AE-136A	24128-L	MILL CONTROL	PIPE TPA						38.029		482		600		37.0		0.80													
	AE-136A	24128-L	MILL CONTROL	PIPE TWA						38.390				610		0.0		0.00													
			Heat:	0.04	1.34	0.008	0.004	0.16	0.25	0.14	0.11	0.06	0.010	0.052	0.00	0.07	0.009	0.02	0.0005	0.20	0.0029	0.002	0.050								
			Product:	0.04	1.33	0.008	0.004	0.16	0.24	0.15	0.12	0.06	0.010	0.054	0.00	0.07	0.009	0.02	0.0004	0.21	0.0027	0.000	0.052								
EVRAZ Regina - 528867	AE-136A	W0019	Product:	0.04	1.33	0.008	0.004	0.16	0.24	0.15	0.12	0.06	0.010	0.054	0.00	0.07	0.009	0.02	0.0004	0.21	0.0027	0.000	0.052								
	AE-134D	W0020	Product:	0.05	1.33	0.008	0.004	0.16	0.25	0.15	0.12	0.06	0.010	0.054	0.00	0.07	0.009	0.02	0.0004	0.21	0.0026	0.000	0.052								
	AE-136A	W0020	Product:	0.05	1.33	0.008	0.004	0.16	0.25	0.15	0.12	0.06	0.010	0.054	0.00	0.07	0.009	0.02	0.0004	0.21	0.0026	0.000	0.052								
	AE-134D	21848-K	MILL CONTROL	PIPE TPA						38.021		492		587		35.9		0.84													
	AE-134D	21848-K	MILL CONTROL	PIPE TWA						38.621				595		0.0		0.00													
	AE-136A	27136	MILL CONTROL	PIPE TPA						38.171		492		587		34.2		0.84													
	AE-136A	27136	MILL CONTROL	PIPE TWA						38.430				598		0.0		0.00													
			Heat:	0.04	1.36	0.009	0.002	0.14	0.24	0.12	0.09	0.04	0.010	0.036	0.00	0.07	0.009	0.02	0.0002	0.20	0.0028	0.002	0.034								
			Product:	0.05	1.34	0.009	0.002	0.14	0.24	0.12	0.09	0.04	0.010	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0026	0.000	0.035								
EVRAZ Regina - 528868	AE-136A	V0026	Product:	0.05	1.34	0.009	0.002	0.14	0.24	0.12	0.09	0.04	0.010	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0026	0.000	0.035								
	AE-134D	W0026	Product:	0.05	1.34	0.009	0.002	0.14	0.25	0.12	0.09	0.04	0.010	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0023	0.000	0.035								
	AE-136A	W0026	Product:	0.05	1.34	0.009	0.002	0.14	0.25	0.12	0.09	0.04	0.010	0.037	0.00	0.07	0.010	0.02	0.0001	0.20	0.0023	0.000	0.035								
	AE-134D	21080-T	MILL CONTROL	PIPE TPA						38.001		505		590		38.0		0.86													
	AE-134D	21080-T	MILL CONTROL	PIPE TWA						38.621				597		0.0		0.00													
	AE-134D	21549-M	LOT QUALIFIER	PIPE TPA						38.171		472		583		33.8		0.81													
	AE-134D	21549-M	LOT QUALIFIER	PIPE TWA						38.611				597		0.0		0.00													
			Heat:	0.05	1.33	0.010	0.003	0.17	0.26	0.13	0.12	0.04	0.010	0.035	0.00	0.07	0.010	0.02	0.0002	0.21	0.0022	0.002	0.034								
			Product:	0.05	1.32	0.010	0.003	0.17	0.25	0.13	0.12	0.04	0.010	0.037	0.00	0.06	0.010	0.02	0.0001	0.20	0.0019	0.000	0.035								
EVRAZ Regina - 528885	AE-134D	V0033	Product:	0.05	1.31	0.010	0.003	0.17	0.25	0.13	0.12	0.04	0.010	0.037	0.00	0.06	0.010	0.02	0.0001	0.20	0.0021	0.000	0.035								
	AE-136A	25691	MILL CONTROL	PIPE TPA						37.940		519		608		34.1		0.85													
	AE-136A	25691-N	MILL CONTROL	PIPE TWA						38.461				611		0.0		0.00													
	AE-136A	25796	LOT QUALIFIER	PIPE TPA						37.970		506		605		33.5		0.84													
	AE-136A	25796-T	LOT QUALIFIER	PIPE TWA						38.440				614		0.0		0.00													
			Heat:	0.05	1.35	0.009	0.002	0.17	0.32	0.11	0.09	0.05	0.011	0.041	0.00	0.07	0.007	0.02	0.0002	0.21	0.0031	0.000	0.041								
			Product:	0.05	1.35	0.009	0.003	0.18	0.32	0.11	0.09	0.05	0.011	0.042	0.00	0.07	0.007	0.02	0.0001	0.21	0.0026	0.000	0.042								
			Product:	0.05	1.35	0.009	0.003	0.18	0.32	0.11	0.09	0.05	0.011	0.042	0.00	0.07	0.007	0.02	0.0001	0.21	0.0026	0.000	0.042								
			Product:	0.04	1.34	0.008	0.002	0.18	0.31	0.11	0.09	0.05	0.010	0.043	0.00	0.07	0.007	0.02	0.0001	0.20	0.0030	0.000	0.041								
EVRAZ Regina - 528886	AE-136A	V0006	Product:	0.04	1.34	0.008	0.002	0.18	0.31	0.11	0.09	0.05	0.010	0.043	0.00	0.07	0.007	0.02	0.0001	0.20	0.0030	0.000	0.041								
	AE-136A	25268	MILL CONTROL	PIPE TPA						38.100		481		608		31.2		0.79													
	AE-136A	25268-F	MILL CONTROL	PIPE TWA						38.369				623		0.0		0.00													
			Heat:	0.05	1.39	0.010	0.003	0.17	0.31	0.11	0.11	0.05	0.011	0.050	0.00	0.07	0.008	0.02	0.0002	0.21	0.0027	0.000	0.049								
			Product:	0.05	1.37	0.009	0.002	0.18	0.30	0.11	0.10	0.05	0.010	0.052	0.00	0.07	0.008	0.02	0.0001	0.21	0.0024	0.000	0.050								
	AE-134D	V0013	Product:	0.05	1.37	0.009	0.002	0.18	0.30	0.11	0.10	0.05	0.010	0.052	0.00	0.07	0.008	0.02	0.0001	0.21	0.0024	0.000	0.050								
	AE-134D	W0013	Product:	0.05	1.38	0.009	0.003	0.18	0.30	0.12	0.10	0.05	0.011	0.052	0.00	0.07	0.008	0.02	0.0001	0.21	0.0026	0.000	0.050								
	AE-136A	W0013	Product:	0.05	1.38	0.009	0.003	0.18	0.30	0.12	0.10	0.05	0.011	0.052	0.00	0.07	0.008	0.02	0.0001	0.21	0.0026	0.000	0.050								
	EVRAZ Regina - 528887	AE-136A	23021	MILL CONTROL	PIPE TPA						37.831		472		579		36.3		0.81												
AE-136A		23021	MILL CONTROL	PIPE TWA						38.699				591		0.0		0.00													
AE-136A		23812	LOT QUALIFIER	PIPE TPA						38.080		495		587		34.9		0.84													
AE-136A		23812-J	LOT QUALIFIER	PIPE TWA						38.440				596		0.0		0.00													
			Heat:	0.04	1.33	0.011	0.004	0.17	0.28	0.11	0.11	0.04	0.009	0.046	0.00	0.07	0.009	0.02	0.0002	0.20	0.0012	0.000	0.045								
AE-134D		V0019	Product:	0.04	1.33	0.011	0.003	0.17	0.27	0.11	0.12	0.04	0.009	0.048	0.00	0.07	0.010	0.02	0.0001	0.20	0.0012	0.000	0.046								
AE-136A		V0019	Product:	0.04	1.33	0.011	0.003	0.17	0.27	0.11	0.12	0.04	0.009	0.048	0.00	0.07	0.010	0.02	0.0001	0.20	0.0012	0.000	0.046								
AE-134D		V0020	Product:	0.04	1.34	0.011	0.003	0.18	0.27	0.11	0.12	0.04	0.010	0.048	0.00	0.07	0.010	0.02	0.0001	0.20	0.0010	0.000	0.046								
AE-136A		V0020	Product:	0.04	1.34	0.011	0.003	0.18	0.27	0.11	0.12	0.04	0.010	0.048	0.00	0.07	0.010	0.02	0.0001	0.20	0.0010	0.000	0.046								
EVRAZ Regina - 528888	AE-136A	22760	MILL CONTROL	PIPE TWA						38.710				590		0.0		0.00													
	AE-136A	22760-F	MILL CONTROL	PIPE TPA						37.841		447		565		35.0		0.79													
			Heat:	0.04	1.34	0.010	0.002	0.15	0.28	0.11	0.12	0.03	0.009	0.038	0.00	0.07	0.010	0.01	0.0002	0.20	0.0013	0.000	0.037								
			Product:	0.04	1.31	0.009	0.003	0.14	0.26	0.10	0.11	0.03	0.008	0.036	0.00	0.06	0.010	0.01	0.0002	0.20	0.0014	0.001	0.035								
	AE-134D	V0028	Product:	0.04	1.31	0.009	0.003	0.14	0.26	0.10	0.11	0.03	0.008	0.036	0.00	0.06	0.010	0.01	0.0002	0.20	0.0014	0.001	0.035								
	AE-136A	V0028	Product:	0.04	1.31	0.009	0.003	0.14	0.26	0.10	0.11	0.03	0.008	0.036	0.00	0.06	0.010	0.01	0.0002	0.20	0.0014	0.001	0.035								
	AE-134D	W0028	Product:	0.04	1.34	0.009	0.002	0.14	0.27	0.11	0.11	0.03	0.009	0.037	0.00	0.06	0.010	0.01	0.0002	0.20	0.0013	0.001	0.037								
	AE-136A	W0028	Product:	0.04	1.34	0.009	0.002	0.14	0.27	0.11	0.11	0.03	0.009	0.037	0.00	0.06	0.010	0.01	0.0002	0.20	0.0013	0.001	0.037								
	EVRAZ Regina - 528915	AE-136A	24518	MILL CONTROL	PIPE TPA						37.960		518		600		32.7		0.86												


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Tensile & Chemistry																		Friday, April 20, 2018, 12:35:59																					
																				Certificate ID: 187579-3																					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Customer PO: APPL 45709																					
																		Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2										Mill Order No: WA 054675-01													
																		Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																							
Supplier - Heat			Product ID		Test Type			Orientation				Width (mm)				YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T																			
					Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl																
EVRAZ Regina - 528916			AE-136A	24518-T	MILL CONTROL			PIPE TWA				38.451				612		0.0		0.00																					
						Heat:	0.05	1.36	0.009	0.003	0.15	0.30	0.15	0.09	0.08	0.011	0.045	0.00	0.07	0.011	0.02	0.0002	0.21	0.0020	0.000	0.043															
			AE-134D	V0004	Product:			0.05	1.37	0.009	0.003	0.15	0.29	0.15	0.09	0.08	0.011	0.047	0.00	0.07	0.010	0.02	0.0001	0.21	0.0016	0.000	0.045														
			AE-136A	V0004	Product:			0.05	1.37	0.009	0.003	0.15	0.29	0.15	0.09	0.08	0.011	0.047	0.00	0.07	0.010	0.02	0.0001	0.21	0.0016	0.000	0.045														
			AE-134D	V0006	Product:			0.05	1.37	0.009	0.004	0.15	0.30	0.15	0.09	0.08	0.011	0.046	0.00	0.07	0.009	0.02	0.0001	0.22	0.0016	0.000	0.044														
			AE-136A	V0006	Product:			0.05	1.37	0.009	0.004	0.15	0.30	0.15	0.09	0.08	0.011	0.046	0.00	0.07	0.009	0.02	0.0001	0.22	0.0016	0.000	0.044														
						AE-136A	26274	MILL CONTROL			PIPE TPA				38.130		492		595		34.1		0.83																		
						AE-136A	26274-F	MILL CONTROL			PIPE TPA				38.519				610		0.0		0.00																		
						AE-136A	26377	LOT QUALIFIER			PIPE TPA				37.950		497		593		36.2		0.84																		
						AE-136A	26377-J	LOT QUALIFIER			PIPE TPA				38.509				609		0.0		0.00																		
						Heat:	0.05	1.34	0.007	0.003	0.14	0.33	0.13	0.08	0.06	0.012	0.040	0.00	0.07	0.008	0.02	0.0002	0.21	0.0019	0.001	0.039															
						Product:	0.05	1.35	0.007	0.003	0.14	0.33	0.14	0.09	0.06	0.012	0.043	0.00	0.07	0.008	0.02	0.0002	0.21	0.0019	0.000	0.041															
						Product:	0.05	1.35	0.007	0.003	0.14	0.33	0.14	0.09	0.06	0.012	0.043	0.00	0.07	0.008	0.02	0.0002	0.21	0.0019	0.000	0.041															
						Product:	0.05	1.33	0.007	0.003	0.14	0.33	0.13	0.09	0.06	0.011	0.042	0.00	0.07	0.008	0.02	0.0001	0.21	0.0018	0.000	0.040															
						Product:	0.05	1.33	0.007	0.003	0.14	0.33	0.13	0.09	0.06	0.011	0.042	0.00	0.07	0.008	0.02	0.0001	0.21	0.0018	0.000	0.040															
EVRAZ Regina - 528918			AE-136A	26037-M	MILL CONTROL			PIPE TPA				37.831		499		596		32.6		0.84																					
						AE-136A	26037-M	MILL CONTROL			PIPE TWA				38.471				610		0.0		0.00																		
									Heat:	0.04	1.36	0.009	0.002	0.14	0.23	0.13	0.14	0.04	0.009	0.043	0.00	0.07	0.007	0.02	0.0002	0.21	0.0008	0.000	0.043												
									Product:	0.05	1.36	0.010	0.001	0.14	0.22	0.14	0.14	0.05	0.008	0.047	0.00	0.07	0.007	0.02	0.0001	0.21	0.0008	0.000	0.045												
									Product:	0.05	1.36	0.010	0.001	0.14	0.22	0.14	0.14	0.05	0.008	0.047	0.00	0.07	0.007	0.02	0.0001	0.21	0.0008	0.000	0.045												
									Product:	0.04	1.37	0.010	0.001	0.14	0.23	0.14	0.14	0.05	0.009	0.046	0.00	0.07	0.008	0.02	0.0001	0.21	0.0008	0.000	0.044												
						Product:	0.04	1.37	0.010	0.001	0.14	0.23	0.14	0.14	0.05	0.009	0.046	0.00	0.07	0.008	0.02	0.0001	0.21	0.0008	0.000	0.044															
EVRAZ Regina - 528919			AE-136A	24343	MILL CONTROL			PIPE TPA				38.001		512		615		32.1		0.83																					
						AE-136A	24343-S	MILL CONTROL			PIPE TWA				38.430				633		0.0		0.00																		
									Heat:	0.05	1.40	0.008	0.005	0.14	0.27	0.25	0.13	0.05	0.010	0.049	0.00	0.07	0.008	0.02	0.0002	0.22	0.0034	0.001	0.046												
									Product:	0.06	1.40	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.010	0.052	0.00	0.07	0.008	0.02	0.0001	0.23	0.0036	0.000	0.050												
									Product:	0.06	1.40	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.010	0.052	0.00	0.07	0.008	0.02	0.0001	0.23	0.0036	0.000	0.050												
									Product:	0.06	1.39	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.010	0.049	0.00	0.07	0.008	0.02	0.0002	0.23	0.0033	0.001	0.048												
						Product:	0.06	1.39	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.010	0.049	0.00	0.07	0.008	0.02	0.0002	0.23	0.0033	0.001	0.048															
EVRAZ Regina - 528920			AE-136A	26750	MILL CONTROL			PIPE TPA				38.080		508		590		36.3		0.86																					
						AE-136A	26750	MILL CONTROL			PIPE TWA				38.400				607		0.0		0.00																		
									Heat:	0.05	1.34	0.010	0.002	0.14	0.27	0.13	0.13	0.03	0.011	0.037	0.00	0.07	0.010	0.02	0.0002	0.21	0.0009	0.000	0.036												
									Product:	0.05	1.35	0.010	0.002	0.14	0.27	0.12	0.14	0.03	0.011	0.039	0.00	0.07	0.009	0.02	0.0001	0.21	0.0008	0.000	0.037												
									Product:	0.05	1.35	0.010	0.002	0.14	0.27	0.12	0.14	0.03	0.011	0.039	0.00	0.07	0.009	0.02	0.0001	0.21	0.0008	0.000	0.037												
									Product:	0.05	1.34	0.009	0.002	0.14	0.26	0.12	0.13	0.03	0.011	0.042	0.00	0.07	0.009	0.02	0.0001	0.21	0.0015	0.000	0.040												
						Product:	0.05	1.34	0.009	0.002	0.14	0.26	0.12	0.13	0.03	0.011	0.042	0.00	0.07	0.009	0.02	0.0001	0.21	0.0015	0.000	0.040															
EVRAZ Regina - 528948			AE-136A	26233	MILL CONTROL			PIPE TPA				38.189		525		609		33.3		0.86																					
						AE-136A	26233-F	MILL CONTROL			PIPE TWA				38.481				621		0.0		0.00																		
									Heat:	0.05	1.35	0.011	0.004	0.16	0.34	0.11	0.11	0.03	0.012	0.046	0.00	0.07	0.010	0.02	0.0002	0.21	0.0015	0.000	0.045												
									Product:	0.05	1.33	0.010	0.004	0.16	0.33	0.12	0.11	0.03	0.011	0.050	0.00	0.07	0.010	0.02	0.0001	0.21	0.0014	0.000	0.048												
									Product:	0.05	1.33	0.010	0.004	0.16	0.33	0.12	0.11	0.03	0.011	0.050	0.00	0.07	0.010	0.02	0.0001	0.21	0.0014	0.000	0.048												
									Product:	0.05	1.35	0.011	0.003	0.16	0.33	0.12	0.12	0.03	0.011	0.050	0.00	0.07	0.010	0.02	0.0001	0.21	0.0014	0.000	0.048												
						Product:	0.05	1.35	0.011	0.003	0.16	0.33	0.12	0.12	0.03	0.011	0.050	0.00	0.07	0.010	0.02	0.0001	0.21	0.0014	0.000	0.048															
EVRAZ Regina - 528949			AE-136A	23702	MILL CONTROL			PIPE TPA				37.851		465		601		33.2		0.77																					
						AE-136A	23702-K	MILL CONTROL			PIPE TWA				38.440				616		0.0		0.00																		
									Heat:	0.04	1.37	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.011	0.037	0.00	0.07	0.007	0.02	0.0002	0.21	0.0016	0.001	0.036												
									Product:	0.04	1.38	0.013	0.003	0.15	0.33	0.12	0.14	0.04	0.010	0.038	0.00	0.07	0.008	0.02	0.0003	0.21	0.0019	0.001	0.036												
									Product:	0.04	1.38	0.013	0.003	0.15	0.33	0.12	0.14	0.04	0.010	0.038	0.00	0.07	0.008	0.02	0.0003	0.21	0.0019	0.001	0.036												
									Product:	0.04	1.38	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.010	0.037	0.00	0.07	0.008	0.02	0.0003	0.21	0.0015	0.001	0.036												
						Product:	0.04	1.38	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.010	0.037	0.00	0.07	0.008	0.02	0.0003	0.21	0.0015	0.001	0.036															
EVRAZ Regina - 528950			AE-136A	24168-V	MILL CONTROL			PIPE TPA				37.899		472		581		34.9		0.81																					
						AE-136A	24168-V	MILL CONTROL			PIPE TWA				38.471				600		0.0		0.00																		
									Heat:	0.04	1.33	0.010	0.004	0.13	0.34	0.13	0.12	0.03	0.012	0.047	0.00	0.07	0.008	0.02	0.0002	0.20	0.0015	0.001	0.046												
									Product:	0.04	1.33	0.011	0.004	0.14	0.34	0.13	0.12	0.04	0.012	0.047	0.00	0.07	0.009	0.02	0.0002	0.20	0.0014	0.001	0.046												
									Product:	0.04	1.33	0.011	0.004	0.14	0.34	0.13	0.12	0.04	0.012	0.047	0.00	0.07	0.009	0.02	0.0002	0.20	0.0014	0.001	0.046												
									Product:	0.04	1.34	0.011	0.004	0.14	0.34	0.13	0.12	0.04	0.012	0.048	0.00	0.07	0.009	0.02	0.0002	0.20	0.0015	0.001	0.045												
						Product:	0.04	1.34	0.011	0.004	0.14	0.34	0.13	0.12	0.04	0.012	0.048	0.00	0.07	0.009	0.02	0.0002	0.20	0.0015	0.001	0.045															
EVRAZ Regina - 528951			AE-136A	24604-S	MILL CONTROL			PIPE TPA				37.930		464		581		35.8		0.80																					
						AE-136A	24604-S	MILL CONTROL			PIPE TWA				38.379				602		0.0		0.00																		
						AE-136A	25137	MILL CONTROL			PIPE TPA				37.970		494		593		34.3		0.83																		
						AE-136A	25137-K	LOT QUALIFIER			PIPE TWA				38.420				610		0.0																				


<div></div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																	Friday, April 20, 2018, 12:35:59																																		
																	Certificate ID: 187579-3																																		
																	Customer PO: APPL 45709																																		
Customer: ALBERTA PRODUCTS PIPE LINE LTD.																	Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2					Mill Order No: WA 054675-01																													
																	Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																																		
Supplier - Heat			Product ID			Test Type			Orientation					Width (mm)			YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T																												
						Wgt (%)			C			Mn		P			S		Si		Cu		Ni		Cr		Mo		Sn		Al		V		Cb		N2		Ti		B		CEQ			Ca		Ce		SoAl	
			AE-134D V0024			Heat:			0.04			1.34		0.011			0.002		0.17		0.29		0.12		0.11		0.03		0.010		0.047		0.00		0.07		0.009		0.02		0.0002		0.20		0.0020		0.001		0.046		
						Product:			0.04			1.35		0.011			0.002		0.17		0.27		0.12		0.11		0.04		0.010		0.051		0.00		0.07		0.010		0.02		0.0001		0.20		0.0021		0.000		0.049		
						Product:			0.04			1.35		0.011			0.002		0.17		0.27		0.12		0.11		0.04		0.010		0.051		0.00		0.07		0.010		0.02		0.0001		0.20		0.0021		0.000		0.049		
						Product:			0.04			1.37		0.012			0.002		0.18		0.28		0.12		0.11		0.04		0.010		0.050		0.00		0.07		0.010		0.02		0.0001		0.21		0.0017		0.000		0.048		
						Product:			0.04			1.37		0.012			0.002		0.18		0.28		0.12		0.11		0.04		0.010		0.050		0.00		0.07		0.010		0.02		0.0001		0.21		0.0017		0.000		0.048		
EVRAZ Regina - 528952			AE-136A 25622			MILL CONTROL			PIPE TPA					37.991			496		587		36.5		0.84																												
						MILL CONTROL			PIPE TWA					38.440					602		0.0		0.00																												
			AE-134D V0034			Heat:			0.05			1.35		0.012			0.003		0.16		0.28		0.10		0.08		0.03		0.010		0.028		0.00		0.07		0.009		0.02		0.0002		0.21		0.0010		0.000		0.027		
						Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.030		0.00		0.07		0.009		0.02		0.0001		0.21		0.0008		0.000		0.028		
			AE-136A V0034			Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.030		0.00		0.07		0.009		0.02		0.0001		0.21		0.0008		0.000		0.028		
						Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.031		0.00		0.07		0.010		0.02		0.0001		0.21		0.0008		0.000		0.028		
			AE-134D W0034			Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.031		0.00		0.07		0.010		0.02		0.0001		0.21		0.0008		0.000		0.028		
						Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.031		0.00		0.07		0.010		0.02		0.0001		0.21		0.0008		0.000		0.028		
			AE-136A W0034			Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.031		0.00		0.07		0.010		0.02		0.0001		0.21		0.0008		0.000		0.028		
						Product:			0.05			1.35		0.012			0.003		0.17		0.27		0.10		0.08		0.04		0.010		0.031		0.00		0.07		0.010		0.02		0.0001		0.21		0.0008		0.000		0.028		
EVRAZ Regina - 529032			AE-136A 24456			MILL CONTROL			PIPE TPA					37.940			502		615		33.5		0.82																												
						MILL CONTROL			PIPE TWA					38.481					633		0.0		0.00																												
			AE-134D V0002			Heat:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.011		0.045		0.00		0.07		0.007		0.02		0.0003		0.21		0.0035		0.001		0.043		
						Product:			0.05			1.35		0.013			0.002		0.18		0.31		0.14		0.10		0.05		0.012		0.048		0.00		0.07		0.007		0.02		0.0002		0.21		0.0026		0.000		0.046		
			AE-136A V0002			Product:			0.05			1.35		0.013			0.002		0.18		0.31		0.14		0.10		0.05		0.012		0.048		0.00		0.07		0.007		0.02		0.0002		0.21		0.0026		0.000		0.046		
						Product:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.012		0.047		0.00		0.07		0.007		0.02		0.0002		0.21		0.0025		0.000		0.045		
			AE-134D W0002			Product:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.012		0.047		0.00		0.07		0.007		0.02		0.0002		0.21		0.0025		0.000		0.045		
						Product:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.012		0.047		0.00		0.07		0.007		0.02		0.0002		0.21		0.0025		0.000		0.045		
			AE-136A W0002			Product:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.012		0.047		0.00		0.07		0.007		0.02		0.0002		0.21		0.0025		0.000		0.045		
						Product:			0.05			1.35		0.013			0.002		0.18		0.32		0.14		0.10		0.05		0.012		0.047		0.00		0.07		0.007		0.02		0.0002		0.21		0.0025		0.000		0.045		
EVRAZ Regina - 529033			AE-136A 22516-N			MILL CONTROL			PIPE TPA					37.940			483		581		36.0		0.83																												
						MILL CONTROL			PIPE TWA					38.710					599		0.0		0.00																												
			AE-134D V0008			Heat:			0.05			1.35		0.011			0.004		0.14		0.28		0.12		0.08		0.05		0.011		0.039		0.00		0.07		0.010		0.02		0.0002		0.21		0.0025		0.000		0.038		
						Product:			0.05			1.37		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.010		0.02		0.0002		0.21		0.0019		0.000		0.041		
			AE-136A V0008			Product:			0.05			1.37		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.010		0.02		0.0002		0.21		0.0019		0.000		0.041		
						Product:			0.05			1.38		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.009		0.02		0.0002		0.21		0.0016		0.000		0.041		
			AE-134D W0009			Product:			0.05			1.38		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.009		0.02		0.0002		0.21		0.0016		0.000		0.041		
						Product:			0.05			1.38		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.009		0.02		0.0002		0.21		0.0016		0.000		0.041		
			AE-136A W0009			Product:			0.05			1.38		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.009		0.02		0.0002		0.21		0.0016		0.000		0.041		
						Product:			0.05			1.38		0.012			0.004		0.14		0.28		0.12		0.08		0.05		0.012		0.043		0.00		0.07		0.009		0.02		0.0002		0.21		0.0016		0.000		0.041		
EVRAZ Regina - 529034			AE-136A 27251			MILL CONTROL			PIPE TPA					38.130			501		590		34.6		0.85																												
						MILL CONTROL			PIPE TWA					38.331					603		0.0		0.00																												
			AE-134D V0018			Heat:			0.05			1.32		0.011			0.004		0.13		0.35		0.12		0.07		0.04		0.013		0.046		0.00		0.07		0.010		0.02		0.0003		0.20		0.0029		0.001		0.044		
						Product:			0.05			1.31		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.009		0.02		0.0002		0.20		0.0024		0.000		0.048		
			AE-136A V0018			Product:			0.05			1.31		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.009		0.02		0.0002		0.20		0.0024		0.000		0.048		
						Product:			0.05			1.33		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.010		0.02		0.0002		0.20		0.0026		0.000		0.048		
			AE-134D W0018			Product:			0.05			1.33		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.010		0.02		0.0002		0.20		0.0026		0.000		0.048		
						Product:			0.05			1.33		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.010		0.02		0.0002		0.20		0.0026		0.000		0.048		
			AE-136A W0018			Product:			0.05			1.33		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.010		0.02		0.0002		0.20		0.0026		0.000		0.048		
						Product:			0.05			1.33		0.012			0.004		0.13		0.34		0.12		0.07		0.04		0.014		0.050		0.00		0.07		0.010		0.02		0.0002		0.20		0.0026		0.000		0.048		
EVRAZ Regina - 529035			AE-136A 23432			MILL CONTROL			PIPE TPA					37.879			498		589		32.6		0.84																												


 Camrose ERW		<div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Tensile &amp; Chemistry</div>																				<div>Friday, April 20, 2018, 12:35:59</div> <div>Certificate ID: 187579-3</div> <div>Customer PO: APPL 45709</div> <div>Mill Order No: WA 054675-01</div>							
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.										Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2																	
		Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																											
Supplier - Heat		Product ID		Test Type			Orientation				Width (mm)		YS (MPa)		UTS (MPa)		Elong% (50mm)		Y/T										
				Wgt (%)	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl					
		AE-136A V0046		Product:	0.05	1.35	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.010	0.043	0.00	0.07	0.010	0.02	0.0001	0.21	0.0022	0.000	0.041					
		AE-134D W0046		Product:	0.05	1.37	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.010	0.044	0.00	0.07	0.009	0.02	0.0002	0.21	0.0024	0.000	0.042					
		AE-136A W0046		Product:	0.05	1.37	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.010	0.044	0.00	0.07	0.009	0.02	0.0002	0.21	0.0024	0.000	0.042					
EVRAZ Regina - 529092		AE-136A 25050		MILL CONTROL			PIPE TPA				37.930		483		586		35.2		0.83										
		AE-136A 25050-S		MILL CONTROL			PIPE TWA				38.519				598		0.0		0.00										
				Heat:	0.05	1.34	0.011	0.002	0.18	0.30	0.12	0.09	0.05	0.011	0.040	0.00	0.07	0.011	0.02	0.0003	0.21	0.0029	0.001	0.038					
		AE-134D V0002		Product:	0.05	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0.00	0.07	0.011	0.02	0.0001	0.21	0.0020	0.000	0.040					
		AE-136A V0002		Product:	0.05	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0.00	0.07	0.011	0.02	0.0001	0.21	0.0020	0.000	0.040					
		AE-134D W0002		Product:	0.06	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0.00	0.07	0.011	0.02	0.0002	0.22	0.0023	0.000	0.040					
		AE-136A W0002		Product:	0.06	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0.00	0.07	0.011	0.02	0.0002	0.22	0.0023	0.000	0.040					
EVRAZ Regina - 529171		AE-136A 27626		MILL CONTROL			PIPE TWA				38.379		617		0.0		0.00												
		AE-136A 27626-L		MILL CONTROL			PIPE TPA				37.559		489		603		35.7		0.81										
				Heat:	0.06	1.37	0.009	0.003	0.14	0.30	0.09	0.08	0.04	0.011	0.028	0.00	0.07	0.008	0.02	0.0002	0.22	0.0025	0.001	0.026					
		AE-134D V0002		Product:	0.06	1.37	0.010	0.003	0.14	0.31	0.10	0.09	0.04	0.011	0.030	0.00	0.07	0.007	0.02	0.0001	0.22	0.0025	0.000	0.028					
		AE-136A V0002		Product:	0.06	1.37	0.010	0.003	0.14	0.31	0.10	0.09	0.04	0.011	0.030	0.00	0.07	0.007	0.02	0.0001	0.22	0.0025	0.000	0.028					
		AE-134D W0002		Product:	0.06	1.36	0.011	0.003	0.14	0.31	0.10	0.08	0.04	0.011	0.031	0.00	0.07	0.008	0.02	0.0001	0.22	0.0027	0.000	0.029					
		AE-136A W0002		Product:	0.06	1.36	0.011	0.003	0.14	0.31	0.10	0.08	0.04	0.011	0.031	0.00	0.07	0.008	0.02	0.0001	0.22	0.0027	0.000	0.029					
EVRAZ Regina - 529172		AE-136A 27504		MILL CONTROL			PIPE TPA				37.749		494		593		36.5		0.83										
		AE-136A 27504		MILL CONTROL			PIPE TWA				38.519		609		0.0		0.00												
		AE-136A 27613		LOT QUALIFIER			PIPE TWA				38.499		606		0.0		0.00												
		AE-136A 27613-M		LOT QUALIFIER			PIPE TPA				37.589		479		593		34.8		0.81										
		AE-136A 27614-N		APPLY / TEST			PIPE TPA				37.650		493		593		35.7		0.83										
				Heat:	0.05	1.35	0.013	0.003	0.13	0.31	0.10	0.10	0.04	0.010	0.034	0.00	0.07	0.007	0.02	0.0002	0.20	0.0029	0.002	0.033					
		AE-134D V0005		Product:	0.06	1.36	0.013	0.003	0.14	0.31	0.10	0.10	0.04	0.011	0.035	0.00	0.07	0.008	0.02	0.0001	0.22	0.0023	0.000	0.033					
		AE-136A V0005		Product:	0.06	1.36	0.013	0.003	0.14	0.31	0.10	0.10	0.04	0.011	0.035	0.00	0.07	0.008	0.02	0.0001	0.22	0.0023	0.000	0.033					
		AE-134D W0005		Product:	0.05	1.36	0.013	0.004	0.14	0.31	0.10	0.10	0.04	0.011	0.036	0.00	0.07	0.008	0.02	0.0001	0.21	0.0026	0.000	0.034					
		AE-136A W0005		Product:	0.05	1.36	0.013	0.004	0.14	0.31	0.10	0.10	0.04	0.011	0.036	0.00	0.07	0.008	0.02	0.0001	0.21	0.0026	0.000	0.034					
EVRAZ Regina - 529173		AE-136A 27711		MILL CONTROL			PIPE TWA				38.499		618		0.0		0.00												
		AE-136A 27711-K		MILL CONTROL			PIPE TPA				37.691		512		609		37.7		0.84										
		AE-136A 27753-M		APPLY / TEST			PIPE TPA				37.541		507		608		34.3		0.83										
				Heat:	0.05	1.33	0.011	0.002	0.16	0.30	0.09	0.09	0.04	0.012	0.041	0.00	0.07	0.006	0.02	0.0002	0.20	0.0022	0.001	0.040					
		AE-134D W0009		Product:	0.05	1.35	0.011	0.002	0.17	0.29	0.09	0.09	0.04	0.013	0.044	0.00	0.07	0.006	0.02	0.0001	0.21	0.0019	0.000	0.042					
		AE-136A W0009		Product:	0.05	1.35	0.011	0.002	0.17	0.29	0.09	0.09	0.04	0.013	0.044	0.00	0.07	0.006	0.02	0.0001	0.21	0.0019	0.000	0.042					
AE-134D W0010		Product:	0.05	1.34	0.010	0.002	0.17	0.29	0.09	0.09	0.04	0.012	0.044	0.00	0.07	0.006	0.02	0.0001	0.21	0.0022	0.000	0.042							
		AE-136A W0010		Product:	0.05	1.34	0.010	0.002	0.17	0.29	0.09	0.09	0.04	0.012	0.044	0.00	0.07	0.006	0.02	0.0001	0.21	0.0022	0.000	0.042					
TPA - Transverse Pipe Axis LPA - Longitudinal Pipe Axis TWA - Transverse Weld Axis FST - Full Section Testing FBN - Full Body Normalized Q&T - Quenched and Tempered SR - Stress Relieve AQ - As Quenched				Flattening Test Acceptable Ultrasonic Weld Line Inspection Acceptable High Frequency Electric Welded Deoxidization Practice: Aluminum Fully Killed UT Cal. to 1/8" Drilled Hole and/or N10 ID/OD Notches Root Guided Bend Test Acceptable FLV1 - Full length Visual Welded & Manufactured in Canada Yield Strength: 0.5% EUL Steelmaking and Rolling at EVRAZ Regina Steel										23100 KPA for 10 secs Minimum Weld Seam Heat Treatment Temperature: 900 (C)										We certify that the product described above has been manufactured, sampled, inspected, and tested in accordance to the referenced specification. The product has been found to be in compliance with all requirements.   Jamie Mohler					

<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59							
														Certificate ID: 187579-1							
														Customer PO: APPL 45709							
														Mill Order No: WA 054675-01							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.						Diameter: 323.9 mm				Wall Thickness: 9.500 mm				Grade: GR.414-2							
						Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat				
							#1	#2	#3	Avg	#1	#2	#3	Avg							
EVRAZ Regina - 409002		AE-134D	CJ451 5809-K	MILL CONTROL	PIPE TPA	-10	199	215	153	189	100	100	100	100	90	2/3					
		AE-134D	CJ451 5809-K	MILL CONTROL	PIPE TWA	-10	100	139	150	130	60	80	100	80	FLZ	2/3					
		AE-134D	CJ452 5824-V	MILL CONTROL	PIPE TWA	-10	142	123	173	146	90	95	100	95	FLZ	2/3					
EVRAZ Regina - 409003		AE-134D	CJ573 7636-S	MILL CONTROL	PIPE TPA	-10	194	230	175	200	100	100	100	100	90	2/3					
		AE-134D	CJ573 7636-S	MILL CONTROL	PIPE TWA	-10	53	131	177	120	25	95	100	73	FLZ	2/3					
		AE-134D	CJ574 7650-J	MILL CONTROL	PIPE TWA	-10	119	95	138	117	85	70	85	80	FLZ	2/3					
EVRAZ Regina - 409004		AE-134D	CJ466 6032-T	MILL CONTROL	PIPE TPA	-10	190	185	150	175	100	100	100	100	90	2/3					
		AE-134D	CJ466 6032-T	MILL CONTROL	PIPE TWA	-10	182	71	100	118	100	65	50	72	FLZ	2/3					
		AE-134D	CJ467 6047-K	MILL CONTROL	PIPE TWA	-10	200	98	119	139	100	50	60	70	FLZ	2/3					
EVRAZ Regina - 409005		AE-134D	CJ405 5143-S	MILL CONTROL	PIPE TPA	-10	182	232	147	187	100	100	100	100	90	2/3					
		AE-134D	CJ405 5143-S	MILL CONTROL	PIPE TWA	-10	150	128	88	122	90	75	75	80	FLZ	2/3					
		AE-134D	CJ406 5157-F	MILL CONTROL	PIPE TWA	-10	150	95	106	117	100	80	85	88	FLZ	2/3					
		AE-134D	CJ411 5246-V	LOT QUALIFIER	PIPE TWA	-10	81	107	106	98	85	85	85	85	FLZ	2/3					
		AE-134D	CJ412 5252-M	LOT QUALIFIER	PIPE TPA	-10	255	268	260	261	100	100	100	100	90	2/3					
		AE-134D	CJ412 5252-M	LOT QUALIFIER	PIPE TWA	-10	59	45	140	81	40	40	100	60	FLZ	2/3					
EVRAZ Regina - 409006		AE-134D	CJ493 6444-H	MILL CONTROL	PIPE TPA	-10	258	150	265	224	100	100	100	100	90	2/3					
		AE-134D	CJ493 6444-H	MILL CONTROL	PIPE TWA	-10	148	243	265	219	100	100	100	100	FLZ	2/3					
		AE-134D	CJ494 6457-L	MILL CONTROL	PIPE TWA	-10	99	95	157	117	50	50	90	63	FLZ	2/3					
EVRAZ Regina - 409036		AE-134D	CJ397 5024-H	MILL CONTROL	PIPE TPA	-10	204	143	137	161	100	100	100	100	90	2/3					
		AE-134D	CJ397 5024-H	MILL CONTROL	PIPE TWA	-10	52	76	83	70	25	50	50	42	FLZ	2/3					
		AE-134D	CJ398 5038-L	MILL CONTROL	PIPE TWA	-10	65	70	31	55	45	55	15	38	FLZ	2/3					
EVRAZ Regina - 409037		AE-134D	CJ464 6003-M	MILL CONTROL	PIPE TPA	-10	189	192	262	214	100	100	100	100	90	2/3					
		AE-134D	CJ464 6003-M	MILL CONTROL	PIPE TWA	-10	160	118	187	155	100	85	100	95	FLZ	2/3					
		AE-134D	CJ465 6017-J	MILL CONTROL	PIPE TWA	-10	127	187	189	168	60	100	100	87	FLZ	2/3					
EVRAZ Regina - 409038		AE-134D	CJ478 6211-K	MILL CONTROL	PIPE TPA	-10	201	180	169	183	100	100	100	100	90	2/3					
		AE-134D	CJ478 6211-K	MILL CONTROL	PIPE TWA	-10	127	153	104	128	70	75	65	70	FLZ	2/3					
		AE-134D	CJ479 6226-L	MILL CONTROL	PIPE TWA	-10	174	134	101	136	75	60	55	63	FLZ	2/3					
		AE-134D	CJ635 8526-J	LOT QUALIFIER	PIPE TPA	-10	207	175	221	201	100	100	100	100	90	2/3					
		AE-134D	CJ635 8526-J	LOT QUALIFIER	PIPE TWA	-10	124	126	134	128	80	80	80	80	FLZ	2/3					
		AE-134D	CJ635 8535-S	LOT QUALIFIER	PIPE TWA	-10	111	150	90	117	80	90	50	73	FLZ	2/3					
EVRAZ Regina - 409039		AE-134D	CJ458 5912-N	MILL CONTROL	PIPE TPA	-10	164	182	140	162	100	100	100	100	90	2/3					
		AE-134D	CJ458 5912-N	MILL CONTROL	PIPE TWA	-10	73	105	119	99	50	85	90	75	FLZ	2/3					
		AE-134D	CJ459 5927-T	MILL CONTROL	PIPE TWA	-10	89	142	48	93	50	95	20	55	FLZ	2/3					
EVRAZ Regina - 409040		AE-134D	CJ499 6521-S	MILL CONTROL	PIPE TPA	-10	165	206	169	180	100	100	100	100	90	2/3					
		AE-134D	CJ499 6521-S	MILL CONTROL	PIPE TWA	-10	158	143	159	153	100	90	100	97	FLZ	2/3					
		AE-134D	CJ500 6533-V	MILL CONTROL	PIPE TWA	-10	137	140	144	140	85	85	90	87	FLZ	2/3					
EVRAZ Regina - 409099		AE-134D	CJ438 5617-M	MILL CONTROL	PIPE TPA	-10	162	219	162	181	100	100	100	100	90	2/3					
		AE-134D	CJ438 5617-M	MILL CONTROL	PIPE TWA	-10	98	71	99	89	70	50	65	62	FLZ	2/3					
		AE-134D	CJ439 5632-L	MILL CONTROL	PIPE TWA	-10	92	97	63	84	65	70	25	53	FLZ	2/3					
EVRAZ Regina - 409100		AE-134D	CJ421 5363-F	MILL CONTROL	PIPE TPA	-10	240	258	171	223	100	100	100	100	90	2/3					
		AE-134D	CJ421 5363-F	MILL CONTROL	PIPE TWA	-10	91	81	95	89	75	75	80	77	FLZ	2/3					
		AE-134D	CJ422 5378-V	MILL CONTROL	PIPE TWA	-10	109	130	106	115	85	85	85	85	FLZ	2/3					
EVRAZ Regina - 409101		AE-134D	CJ550 7282-M	MILL CONTROL	PIPE TPA	-10	186	162	180	176	100	100	100	100	90	2/3					
		AE-134D	CJ550 7282-M	MILL CONTROL	PIPE TWA	-10	130	247	165	181	90	100	100	97	FLZ	2/3					
		AE-134D	CJ551 7297-S	MILL CONTROL	PIPE TWA	-10	101	127	101	110	80	85	80	82	FLZ	2/3					
EVRAZ Regina - 409102		AE-134D	CJ546 7222-S	MILL CONTROL	PIPE TPA	-10	239	196	203	213	100	100	100	100	90	2/3					
		AE-134D	CJ546 7222-S	MILL CONTROL	PIPE TWA	-10	131	112	138	127	75	60	75	70	FLZ	2/3					
		AE-134D	CJ547 7237-F	MILL CONTROL	PIPE TWA	-10	88	125	112	108	50	85	80	72	FLZ	2/3					
EVRAZ Regina - 409103		AE-134D	CJ583 7774-T	MILL CONTROL	PIPE TPA	-10	148	127	157	144	100	100	100	100	90	2/3					
		AE-134D	CJ583 7774-T	MILL CONTROL	PIPE TWA	-10	105	68	103	92	70	50	65	62	FLZ	2/3					
		AE-134D	CJ584 7789-K	MILL CONTROL	PIPE TWA	-10	96	35	50	60	60	15	20	32	FLZ	2/3					
EVRAZ Regina - 409127		AE-134D	CJ516 6775-F	MILL CONTROL	PIPE TPA	-10	262	268	240	257	100	100	100	100	90	2/3					
		AE-134D	CJ516 6775-F	MILL CONTROL	PIPE TWA	-10	119	118	42	93	75	75	25	58	FLZ	2/3					
		AE-134D	CJ517 6796-L	MILL CONTROL	PIPE TWA	-10	97	161	38	99	25	90	15	43	FLZ	2/3					
EVRAZ Regina - 409128		AE-134D	CJ556 7372-L	MILL CONTROL	PIPE TPA	-10	139	150	160	150	100	100	100	100	90	2/3					


 <div>Camrose ERW</div>														<div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>										Friday, April 20, 2018, 12:35:59			
														Certificate ID: 187579-1													
														Customer PO: APPL 45709													
Customer: ALBERTA PRODUCTS PIPE LINE LTD.														Diameter: 323.9 mm    Wall Thickness: 9.500 mm    Grade: GR.414-2										Mill Order No: WA 054675-01			
														Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat										
							#1	#2	#3	Avg	#1	#2	#3	Avg													
		AE-134D	CJ556 7372-L	MILL CONTROL	PIPE TWA	-10	147	92	113	117	85	75	80	80	FLZ	2/3											
		AE-134D	CJ557 7387-J	MILL CONTROL	PIPE TWA	-10	92	126	144	121	50	80	80	70	FLZ	2/3											
		AE-134D	CJ722 9780-S	LOT QUALIFIER	PIPE TPA	-10	157	148	170	158	100	100	100	100	90	2/3											
		AE-134D	CJ722 9780-S	LOT QUALIFIER	PIPE TWA	-10	103	120	107	110	70	65	65	67	FLZ	2/3											
		AE-134D	CJ722 9789-J	LOT QUALIFIER	PIPE TWA	-10	65	109	66	80	20	50	20	30	FLZ	2/3											
EVRAZ Regina - 409129		AE-134D	CJ598 7991-N	MILL CONTROL	PIPE TPA	-10	145	155	200	167	100	100	100	100	90	2/3											
		AE-134D	CJ598 7991-N	MILL CONTROL	PIPE TWA	-10	126	140	105	124	85	90	80	85	FLZ	2/3											
		AE-134D	CJ599 8006-S	MILL CONTROL	PIPE TWA	-10	123	94	143	120	85	75	70	77	FLZ	2/3											
EVRAZ Regina - 409130		AE-134D	CJ612 8197-N	MILL CONTROL	PIPE TPA	-10	195	208	228	210	100	100	100	100	90	2/3											
		AE-134D	CJ612 8197-N	MILL CONTROL	PIPE TWA	-10	106	143	95	115	85	100	85	90	FLZ	2/3											
		AE-134D	CJ613 8212-S	MILL CONTROL	PIPE TWA	-10	90	90	54	78	65	65	25	52	FLZ	2/3											
		AE-134D	CJ618 8283-H	LOT QUALIFIER	PIPE TWA	-10	93	85	103	94	75	75	80	77	FLZ	2/3											
		AE-134D	CJ619 8300-F	LOT QUALIFIER	PIPE TPA	-10	128	127	132	129	100	100	100	100	90	2/3											
		AE-134D	CJ619 8300-F	LOT QUALIFIER	PIPE TWA	-10	37	39	34	37	15	15	15	15	FLZ	2/3											
EVRAZ Regina - 409131		AE-134D	CJ577 7696-M	MILL CONTROL	PIPE TPA	-10	231	241	220	231	100	100	100	100	90	2/3											
		AE-134D	CJ577 7696-M	MILL CONTROL	PIPE TWA	-10	129	105	35	90	85	80	40	68	FLZ	2/3											
		AE-134D	CJ578 7711-L	MILL CONTROL	PIPE TWA	-10	136	131	119	129	85	80	75	80	FLZ	2/3											
EVRAZ Regina - 409209		AE-134D	CJ769 10472-J	MILL CONTROL	PIPE TPA	-10	264	260	262	262	100	100	100	100	90	2/3											
		AE-134D	CJ769 10472-J	MILL CONTROL	PIPE TWA	-10	58	86	62	69	30	60	35	42	FLZ	2/3											
		AE-134D	CJ770 10487-H	MILL CONTROL	PIPE TWA	-10	91	123	112	109	45	85	50	60	FLZ	2/3											
EVRAZ Regina - 409210		AE-134D	CJ702 9483-S	MILL CONTROL	PIPE TPA	-10	174	234	138	182	100	100	100	100	90	2/3											
		AE-134D	CJ702 9483-S	MILL CONTROL	PIPE TWA	-10	137	119	114	123	35	35	30	33	FLZ	2/3											
		AE-134D	CJ703 9498-F	MILL CONTROL	PIPE TWA	-10	125	142	135	134	50	60	50	53	FLZ	2/3											
EVRAZ Regina - 409211		AE-134D	CJ735 9963-N	MILL CONTROL	PIPE TPA	-10	124	143	142	136	100	100	100	100	90	2/3											
		AE-134D	CJ735 9963-N	MILL CONTROL	PIPE TWA	-10	85	85	81	84	55	60	65	60	FLZ	2/3											
		AE-134D	CJ736 9978-T	MILL CONTROL	PIPE TWA	-10	98	108	79	95	40	40	35	38	FLZ	2/3											
		AE-134D	CJ749 10180-H	LOT QUALIFIER	PIPE TPA	-10	142	140	139	140	100	100	100	100	90	2/3											
		AE-134D	CJ749 10180-H	LOT QUALIFIER	PIPE TWA	-10	27	71	76	58	10	30	25	22	FLZ	2/3											
		AE-134D	CJ750 10187-M	LOT QUALIFIER	PIPE TWA	-10	73	60	74	69	30	25	30	28	FLZ	2/3											
EVRAZ Regina - 409212		AE-134D	CJ798 10903-S	MILL CONTROL	PIPE TPA	-10	150	166	185	167	100	100	100	100	90	2/3											
		AE-134D	CJ798 10903-S	MILL CONTROL	PIPE TWA	-10	71	142	101	105	25	50	50	42	FLZ	2/3											
		AE-134D	CJ799 10918-F	MILL CONTROL	PIPE TWA	-10	63	85	87	78	20	25	25	23	FLZ	2/3											
EVRAZ Regina - 409213		AE-134D	CJ704 9513-H	MILL CONTROL	PIPE TPA	-10	160	144	150	151	100	100	100	100	90	2/3											
		AE-134D	CJ704 9513-H	MILL CONTROL	PIPE TWA	-10	86	95	75	85	30	30	30	30	FLZ	2/3											
		AE-134D	CJ790 10783-K	MILL CONTROL	PIPE TWA	-10	49	84	81	71	20	25	25	23	FLZ	2/3											
EVRAZ Regina - 409214		AE-134D	CJ676 9103-S	MILL CONTROL	PIPE TPA	-10	169	180	248	199	100	100	100	100	90	2/3											
		AE-134D	CJ676 9103-S	MILL CONTROL	PIPE TWA	-10	182	159	137	159	90	85	85	87	FLZ	2/3											
		AE-134D	CJ677 9118-F	MILL CONTROL	PIPE TWA	-10	102	125	201	143	45	50	70	55	FLZ	2/3											
EVRAZ Regina - 409243		AE-134D	CJ776 10573-N	MILL CONTROL	PIPE TPA	-10	118	150	136	135	100	100	100	100	90	2/3											
		AE-134D	CJ776 10573-N	MILL CONTROL	PIPE TWA	-10	75	85	82	81	75	80	80	78	FLZ	2/3											
		AE-134D	CJ777 10588-T	MILL CONTROL	PIPE TWA	-10	70	85	123	93	50	60	95	68	FLZ	2/3											
EVRAZ Regina - 409244		AE-134D	CJ731 9913-S	MILL CONTROL	PIPE TPA	-10	132	129	121	127	100	100	100	100	90	2/3											
		AE-134D	CJ731 9913-S	MILL CONTROL	PIPE TWA	-10	60	60	86	69	30	30	40	33	FLZ	2/3											
		AE-134D	CJ732 9926-K	MILL CONTROL	PIPE TWA	-10	70	85	81	79	35	40	35	37	FLZ	2/3											
EVRAZ Regina - 409267		AE-134D	CJ681 9173-K	MILL CONTROL	PIPE TPA	-10	145	147	237	176	100	100	100	100	90	2/3											
		AE-134D	CJ681 9173-K	MILL CONTROL	PIPE TWA	-10	58	100	54	71	25	35	25	28	FLZ	2/3											
		AE-134D	CJ682 9189-M	MILL CONTROL	PIPE TWA	-10	129	123	133	128	75	75	75	75	FLZ	2/3											
		AE-134D	CJ683 9201-J	LOT QUALIFIER	PIPE TWA	-10	64	25	58	49	25	15	15	18	FLZ	2/3											
		AE-134D	CK089 14287-L	LOT QUALIFIER	PIPE TPA	-10	158	148	135	147	100	100	100	100	90	2/3											
		AE-134D	CK089 14287-L	LOT QUALIFIER	PIPE TWA	-10	75	67	83	75	45	20	45	37	FLZ	2/3											
EVRAZ Regina - 409268		AE-134D	CJ708 9571-F	MILL CONTROL	PIPE TPA	-10	158	151	179	163	100	100	100	100	90	2/3											
		AE-134D	CJ708 9571-F	MILL CONTROL	PIPE TWA	-10	83	84	130	99	35	35	90	53	FLZ	2/3											
		AE-134D	CJ709 9585-M	MILL CONTROL	PIPE TWA	-10	55	85	65	68	30	35	35	33	FLZ	2/3											
		AE-134D	CJ956 13234-H	LOT QUALIFIER	PIPE TWA	-10	112	109	115	112	95	80	80	85	FLZ	2/3											
		AE-134D	CK087 14257-H	LOT QUALIFIER	PIPE TPA	-10	142	168	141	150	100	100	100	100	90	2/3											


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														Certificate ID: 187579-1							
														Customer PO: APPL 45709							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.														Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2				Mill Order No: WA 054675-01			
														Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements							
Supplier - Heat			Product ID		Test Type	Orientation		Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat		
									#1	#2	#3	Avg	#1	#2	#3	Avg					
EVRAZ Regina - 409269			AE-134D CK087 14257-H		LOT QUALIFIER	PIPE TWA		-10	72	65	80	72	15	15	20	17	FLZ	2/3			
			AE-134D CJ666 8970-T		MILL CONTROL	PIPE TPA		-10	212	175	151	179	100	100	100	100	90	2/3			
			AE-134D CJ666 8970-T		MILL CONTROL	PIPE TWA		-10	99	105	91	98	95	75	55	75	FLZ	2/3			
			AE-134D CJ667 8985-K		MILL CONTROL	PIPE TWA		-10	148	118	159	142	100	85	100	95	FLZ	2/3			
			AE-134D CJ960 13294-J		LOT QUALIFIER	PIPE TWA		-10	105	89	112	102	60	60	70	63	FLZ	2/3			
			AE-134D CJ961 13309-H		LOT QUALIFIER	PIPE TPA		-10	183	175	172	177	100	100	100	100	90	2/3			
EVRAZ Regina - 409270			AE-134D CJ961 13309-H		LOT QUALIFIER	PIPE TWA		-10	69	84	70	74	60	60	60	60	FLZ	2/3			
			AE-134D CJ694 9365-F		MILL CONTROL	PIPE TPA		-10	189	151	187	176	100	100	100	100	90	2/3			
			AE-134D CJ694 9365-F		MILL CONTROL	PIPE TWA		-10	33	97	77	69	15	65	60	47	FLZ	2/3			
EVRAZ Regina - 409271			AE-134D CJ695 9380-H		MILL CONTROL	PIPE TWA		-10	101	63	59	74	55	20	25	33	FLZ	2/3			
			AE-134D CJ649 8718-N		MILL CONTROL	PIPE TPA		-10	151	193	145	163	100	100	100	100	90	2/3			
			AE-134D CJ649 8718-N		MILL CONTROL	PIPE TWA		-10	114	88	51	84	65	20	25	37	FLZ	2/3			
			AE-134D CJ650 8733-S		MILL CONTROL	PIPE TWA		-10	55	20	95	57	20	15	40	25	FLZ	2/3			
			AE-134D CJ952 13175-K		LOT QUALIFIER	PIPE TWA		-10	133	91	90	105	65	25	25	38	FLZ	2/3			
			AE-134D CJ953 13190-V		LOT QUALIFIER	PIPE TPA		-10	140	151	159	150	100	100	100	100	90	2/3			
EVRAZ Regina - 409272			AE-134D CJ953 13190-V		LOT QUALIFIER	PIPE TWA		-10	128	155	170	151	70	95	100	88	FLZ	2/3			
			AE-134D CJ710 9600-L		MILL CONTROL	PIPE TPA		-10	170	144	170	161	100	100	100	100	90	2/3			
			AE-134D CJ710 9600-L		MILL CONTROL	PIPE TWA		-10	119	41	89	83	90	10	50	50	FLZ	2/3			
EVRAZ Regina - 409273			AE-134D CJ711 9614-T		MILL CONTROL	PIPE TWA		-10	127	127	157	137	100	100	100	100	FLZ	2/3			
			AE-134D CJ707 9556-T		MILL CONTROL	PIPE TPA		-10	192	150	141	161	100	100	100	100	90	2/3			
			AE-134D CJ707 9556-T		MILL CONTROL	PIPE TWA		-10	63	99	101	88	35	45	45	42	FLZ	2/3			
EVRAZ Regina - 409274			AE-134D CJ889 12232-L		MILL CONTROL	PIPE TWA		-10	99	118	44	87	30	35	10	25	FLZ	2/3			
			AE-134D CJ673 9067-H		MILL CONTROL	PIPE TPA		-10	145	158	250	184	100	100	100	100	90	2/3			
			AE-134D CJ673 9067-H		MILL CONTROL	PIPE TWA		-10	142	151	101	131	70	85	70	75	FLZ	2/3			
EVRAZ Regina - 409274			AE-134D CJ674 9079-S		MILL CONTROL	PIPE TWA		-10	132	86	171	130	70	20	80	57	FLZ	2/3			
			AE-134D CJ839 11509-V		MILL CONTROL	PIPE TPA		-10	247	195	251	231	100	100	100	100	90	2/3			
			AE-134D CJ839 11509-V		MILL CONTROL	PIPE TWA		-10	233	119	86	146	100	50	50	67	FLZ	2/3			
EVRAZ Regina - 409329			AE-134D CJ840 11523-L		MILL CONTROL	PIPE TWA		-10	162	168	203	178	85	85	100	90	FLZ	2/3			
			AE-134D CJ849 11657-V		MILL CONTROL	PIPE TPA		-10	147	142	141	143	100	100	100	100	90	2/3			
			AE-134D CJ849 11657-V		MILL CONTROL	PIPE TWA		-10	61	85	96	81	35	40	40	38	FLZ	2/3			
EVRAZ Regina - 409335			AE-134D CJ850 11672-M		MILL CONTROL	PIPE TWA		-10	95	95	66	85	55	55	40	50	FLZ	2/3			
			AE-134D CJ879 12085-V		MILL CONTROL	PIPE TPA		-10	146	147	161	151	100	100	100	100	90	2/3			
			AE-134D CJ879 12085-V		MILL CONTROL	PIPE TWA		-10	185	118	123	142	100	90	95	95	FLZ	2/3			
EVRAZ Regina - 409336			AE-134D CJ880 12099-S		MILL CONTROL	PIPE TWA		-10	107	115	109	110	45	50	45	47	FLZ	2/3			
			AE-134D CK369 18416-F		LOT QUALIFIER	PIPE TWA		-10	160	89	115	121	90	40	80	70	FLZ	2/3			
			AE-134D CK369 18417-T		LOT QUALIFIER	PIPE TPA		-10	142	153	178	158	100	100	100	100	90	2/3			
			AE-134D CK369 18417-T		LOT QUALIFIER	PIPE TWA		-10	114	130	121	122	100	100	100	100	FLZ	2/3			
			AE-134D CJ833 11423-N		MILL CONTROL	PIPE TPA		-10	215	141	142	166	100	100	100	100	90	2/3			
			AE-134D CJ833 11423-N		MILL CONTROL	PIPE TWA		-10	129	105	160	131	80	70	95	82	FLZ	2/3			
EVRAZ Regina - 409337			AE-134D CJ834 11438-T		MILL CONTROL	PIPE TWA		-10	193	144	188	175	90	85	90	88	FLZ	2/3			
			AE-134D CJ835 11453-T		MILL CONTROL	PIPE TPA		-10	204	200	157	187	100	100	100	100	90	2/3			
			AE-134D CJ835 11453-T		MILL CONTROL	PIPE TWA		-10	115	129	105	116	60	65	50	58	FLZ	2/3			
EVRAZ Regina - 409338			AE-134D CJ836 11465-L		MILL CONTROL	PIPE TWA		-10	86	127	140	118	45	65	50	53	FLZ	2/3			
			AE-134D CK167 15437-H		LOT QUALIFIER	PIPE TWA		-10	143	155	109	136	100	100	80	93	FLZ	2/3			
			AE-134D CK168 15449-S		LOT QUALIFIER	PIPE TWA		-10	200	158	215	191	100	100	100	100	90	2/3			
			AE-134D CK168 15449-S		LOT QUALIFIER	PIPE TWA		-10	133	123	151	136	95	100	100	98	FLZ	2/3			
			AE-134D CJ866 11891-T		MILL CONTROL	PIPE TPA		-10	262	258	188	236	100	100	100	100	90	2/3			
			AE-134D CJ866 11891-T		MILL CONTROL	PIPE TWA		-10	166	61	160	129	90	25	95	70	FLZ	2/3			
EVRAZ Regina - 409339			AE-134D CJ866 11899-H		LOT QUALIFIER	PIPE TWA		-10	99	124	87	103	60	80	55	65	FLZ	2/3			
			AE-134D CJ867 11905-V		MILL CONTROL	PIPE TWA		-10	108	151	152	137	60	95	95	83	FLZ	2/3			
			AE-134D CK088 14272-K		LOT QUALIFIER	PIPE TPA		-10	255	221	211	229	100	100	100	100	90	2/3			
			AE-134D CK088 14272-K		LOT QUALIFIER	PIPE TWA		-10	124	80	80	95	85	25	25	45	FLZ	2/3			
			AE-134D CJ815 11157-J		MILL CONTROL	PIPE TPA		-10	268	271	272	270	100	100	100	100	90	2/3			
			AE-134D CJ815 11157-J		MILL CONTROL	PIPE TWA		-10	185	136	137	153	100	85	85	90	FLZ	2/3			
EVRAZ Regina - 409340			AE-134D CJ816 11172-T		MILL CONTROL	PIPE TWA		-10	180	118	128	142	100	75	80	85	FLZ	2/3			

<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59				
														Certificate ID: 187579-1				
														Customer PO: APPL 45709				
														Mill Order No: WA 054675-01				
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2													
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
		AE-134D	CJ958 13264-M	LOT QUALIFIER	PIPE TWA	-10	82	91	110	94	50	50	65	55	FLZ	2/3		
		AE-134D	CJ959 13279-S	LOT QUALIFIER	PIPE TPA	-10	255	199	155	203	100	100	100	100	90	2/3		
		AE-134D	CJ959 13279-S	LOT QUALIFIER	PIPE TWA	-10	122	170	143	145	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 409341	AE-134D	CJ847 11627-F	MILL CONTROL	PIPE TPA	-10	165	181	168	171	100	100	100	100	90	2/3			
	AE-134D	CJ847 11627-F	MILL CONTROL	PIPE TWA	-10	109	86	138	111	45	30	50	42	FLZ	2/3			
	AE-134D	CJ848 11642-H	MILL CONTROL	PIPE TWA	-10	130	220	129	160	50	100	50	67	FLZ	2/3			
EVRAZ Regina - 409342	AE-134D	CJ941 13011-F	MILL CONTROL	PIPE TPA	-10	141	142	127	137	100	100	100	100	90	2/3			
	AE-134D	CJ941 13011-F	MILL CONTROL	PIPE TWA	-10	93	84	92	90	60	55	60	58	FLZ	2/3			
	AE-134D	CJ942 13026-V	MILL CONTROL	PIPE TWA	-10	111	131	133	125	60	75	90	75	FLZ	2/3			
EVRAZ Regina - 409387	AE-134D	CK071 14021-N	MILL CONTROL	PIPE TPA	-10	100	92	112	101	100	100	100	100	90	2/3			
	AE-134D	CK071 14021-N	MILL CONTROL	PIPE TWA	-10	58	63	72	64	35	35	40	37	FLZ	2/3			
	AE-134D	CK072 14036-T	MILL CONTROL	PIPE TWA	-10	25	60	37	41	10	20	15	15	FLZ	2/3			
	AE-134D	CK077 14109-H	LOT QUALIFIER	PIPE TWA	-10	40	53	58	50	10	15	10	12	FLZ	2/3			
	AE-134D	CK085 14227-J	LOT QUALIFIER	PIPE TPA	-10	108	103	109	107	100	100	100	100	90	2/3			
	AE-134D	CK085 14227-J	LOT QUALIFIER	PIPE TWA	-10	68	58	70	65	15	15	20	17	FLZ	2/3			
EVRAZ Regina - 409388	AE-134D	CK034 13467-T	MILL CONTROL	PIPE TPA	-10	219	155	220	198	100	100	100	100	90	2/3			
	AE-134D	CK034 13467-T	MILL CONTROL	PIPE TWA	-10	163	160	195	173	95	100	100	98	FLZ	2/3			
	AE-134D	CK035 13482-F	MILL CONTROL	PIPE TWA	-10	111	148	199	153	80	100	100	93	FLZ	2/3			
	AE-134D	CK386 18671-F	LOT QUALIFIER	PIPE TPA	-10	184	163	149	165	100	100	100	100	90	2/3			
	AE-134D	CK386 18671-F	LOT QUALIFIER	PIPE TWA	-10	143	131	119	131	90	100	85	92	FLZ	2/3			
	AE-134D	CK387 18686-V	LOT QUALIFIER	PIPE TWA	-10	114	117	109	113	70	70	70	70	FLZ	2/3			
EVRAZ Regina - 409389	AE-134D	CK264 16883-J	MILL CONTROL	PIPE TPA	-10	175	141	149	155	100	100	100	100	90	2/3			
	AE-134D	CK264 16883-J	MILL CONTROL	PIPE TWA	-10	160	148	170	159	100	100	100	100	FLZ	2/3			
	AE-134D	CK268 16946-V	MILL CONTROL	PIPE TWA	-10	115	115	85	105	90	90	70	83	FLZ	2/3			
	AE-136A	CK871 23643-T	MILL CONTROL	PIPE TPA	-10	141	155	145	147	100	100	100	100	90	2/3			
	AE-136A	CK871 23643-T	MILL CONTROL	PIPE TWA	-10	106	71	56	78	55	45	45	48	FLZ	2/3			
	AE-136A	CK871 23649-H	MILL CONTROL	PIPE TWA	-10	86	125	101	104	85	85	100	90	FLZ	2/3			
EVRAZ Regina - 409390	AE-134D	CK151 15194-M	MILL CONTROL	PIPE TPA	-10	189	185	178	184	100	100	100	100	90	2/3			
	AE-134D	CK151 15194-M	MILL CONTROL	PIPE TWA	-10	85	97	105	96	55	60	65	60	FLZ	2/3			
	AE-134D	CK152 15209-S	MILL CONTROL	PIPE TWA	-10	99	90	92	94	35	35	35	35	FLZ	2/3			
	AE-134D	CK156 15269-M	LOT QUALIFIER	PIPE TWA	-10	120	75	100	98	65	45	50	53	FLZ	2/3			
	AE-134D	CK157 15284-L	LOT QUALIFIER	PIPE TPA	-10	162	161	200	174	100	100	100	100	90	2/3			
	AE-134D	CK157 15284-L	LOT QUALIFIER	PIPE TWA	-10	140	115	120	125	95	70	85	83	FLZ	2/3			
EVRAZ Regina - 409391	AE-134D	CK040 13557-F	MILL CONTROL	PIPE TPA	-10	218	180	210	203	100	100	100	100	90	2/3			
	AE-134D	CK040 13557-F	MILL CONTROL	PIPE TWA	-10	229	191	135	185	100	100	100	100	FLZ	2/3			
	AE-134D	CK041 13572-H	MILL CONTROL	PIPE TWA	-10	112	130	175	139	75	75	100	83	FLZ	2/3			
EVRAZ Regina - 409392	AE-134D	CK145 15103-M	MILL CONTROL	PIPE TPA	-10	145	161	140	149	100	100	100	100	90	2/3			
	AE-134D	CK145 15103-M	MILL CONTROL	PIPE TWA	-10	81	168	168	139	35	100	100	78	FLZ	2/3			
	AE-134D	CK146 15118-S	MILL CONTROL	PIPE TWA	-10	81	91	90	87	25	30	25	27	FLZ	2/3			
EVRAZ Regina - 409393	AE-134D	CK057 13811-K	MILL CONTROL	PIPE TPA	-10	148	147	158	151	100	100	100	100	90	2/3			
	AE-134D	CK057 13811-K	MILL CONTROL	PIPE TWA	-10	93	66	95	85	45	40	40	42	FLZ	2/3			
	AE-134D	CK058 13825-N	MILL CONTROL	PIPE TWA	-10	204	110	117	144	100	80	85	88	FLZ	2/3			
	AE-134D	CK063 13901-V	LOT QUALIFIER	PIPE TWA	-10	95	115	90	100	90	90	90	90	FLZ	2/3			
	AE-134D	CK064 13916-N	LOT QUALIFIER	PIPE TPA	-10	200	165	160	175	100	100	100	100	90	2/3			
	AE-134D	CK064 13916-N	LOT QUALIFIER	PIPE TWA	-10	120	135	100	118	85	90	85	87	FLZ	2/3			
EVRAZ Regina - 409435	AE-134D	CK179 15613-S	MILL CONTROL	PIPE TPA	-10	200	155	231	195	100	100	100	100	90	2/3			
	AE-134D	CK179 15613-S	MILL CONTROL	PIPE TWA	-10	148	156	131	145	95	100	100	98	FLZ	2/3			
	AE-134D	CK180 15628-F	MILL CONTROL	PIPE TWA	-10	141	131	139	137	95	100	95	97	FLZ	2/3			
EVRAZ Regina - 409436	AE-134D	CK028 13375-F	MILL CONTROL	PIPE TPA	-10	168	162	202	177	100	100	100	100	90	2/3			
	AE-134D	CK028 13375-F	MILL CONTROL	PIPE TWA	-10	82	65	100	82	50	45	65	53	FLZ	2/3			
	AE-134D	CK029 13396-L	MILL CONTROL	PIPE TWA	-10	77	104	114	98	45	55	70	57	FLZ	2/3			
EVRAZ Regina - 409437	AE-134D	CK078 14124-K	MILL CONTROL	PIPE TPA	-10	260	152	153	188	100	100	100	100	90	2/3			
	AE-134D	CK078 14124-K	MILL CONTROL	PIPE TWA	-10	113	145	126	128	55	95	70	73	FLZ	2/3			
	AE-134D	CK079 14139-L	MILL CONTROL	PIPE TWA	-10	140	122	120	127	95	60	60	72	FLZ	2/3			
	AE-134D	CK322 17714-H	LOT QUALIFIER	PIPE TPA	-10	155	159	218	177	100	100	100	100	90	2/3			


 Camrose ERW		<b>EVRAZ Camrose</b> <b>CERTIFICATE OF TESTING</b> <b>Charpy</b>												Friday, April 20, 2018, 12:35:59			
														Certificate ID: <b>187579-1</b>			
		Customer: <b>ALBERTA PRODUCTS PIPE LINE LTD.</b>												Customer PO: <b>APPL 45709</b>			
		Diameter: <b>323.9 mm</b> Wall Thickness: <b>9.500 mm</b> Grade: <b>GR.414-2</b> Specification: <b>CSA Z245.1-14 GRADE 414 CAT II M5C, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements</b>												Mill Order No: <b>WA 054675-01</b>			
Supplier - Heat		Product ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
						#1	#2	#3	Avg	#1	#2	#3	Avg				
EVRAZ Regina - 409438	AE-134D	CK322 17714-H	LOT QUALIFIER	PIPE TWA	-10	167	200	172	180	100	100	100	100	FLZ	2/3		
		CK322 17716-T	LOT QUALIFIER	PIPE TWA	-10	146	145	151	147	100	100	100	100	FLZ	2/3		
	AE-134D	CK095 14376-S	MILL CONTROL	PIPE TPA	-10	179	240	180	200	100	100	100	100	90	2/3		
		CK095 14376-S	MILL CONTROL	PIPE TWA	-10	95	121	105	107	50	90	55	65	FLZ	2/3		
EVRAZ Regina - 409439	AE-134D	CK096 14391-J	MILL CONTROL	PIPE TWA	-10	121	140	94	118	65	95	40	67	FLZ	2/3		
		CK171 15493-K	MILL CONTROL	PIPE TPA	-10	145	139	151	145	100	100	100	100	90	2/3		
	AE-134D	CK171 15493-K	MILL CONTROL	PIPE TWA	-10	112	169	159	147	80	100	100	93	FLZ	2/3		
		CK172 15508-L	MILL CONTROL	PIPE TWA	-10	110	121	138	123	90	95	100	95	FLZ	2/3		
EVRAZ Regina - 409440	AE-134D	CK211 16087-K	MILL CONTROL	PIPE TPA	-10	197	194	192	194	100	100	100	100	90	2/3		
		CK211 16087-K	MILL CONTROL	PIPE TWA	-10	129	135	129	131	90	100	100	97	FLZ	2/3		
	AE-134D	CK212 16104-H	MILL CONTROL	PIPE TWA	-10	77	110	67	85	60	70	60	63	FLZ	2/3		
		CK263 16868-S	LOT QUALIFIER	PIPE TWA	-10	51	119	193	121	20	95	100	72	FLZ	2/3		
	AE-134D	CK350 18135-F	LOT QUALIFIER	PIPE TPA	-10	147	162	182	164	100	100	100	100	90	2/3		
		CK350 18135-F	LOT QUALIFIER	PIPE TWA	-10	141	109	148	133	100	75	95	90	FLZ	2/3		
EVRAZ Regina - 409441	AE-134D	CK109 14561-K	MILL CONTROL	PIPE TPA	-10	213	185	159	186	100	100	100	100	90	2/3		
		CK109 14561-K	MILL CONTROL	PIPE TWA	-10	126	119	119	121	55	50	50	52	FLZ	2/3		
	AE-134D	CK110 14575-N	MILL CONTROL	PIPE TWA	-10	250	259	261	257	100	100	100	100	FLZ	2/3		
		CK113 14629-K	LOT QUALIFIER	PIPE TWA	-10	95	114	148	119	50	60	75	62	FLZ	2/3		
	AE-134D	CK114 14638-H	LOT QUALIFIER	PIPE TPA	-10	247	184	226	219	100	100	100	100	90	2/3		
		CK114 14638-H	LOT QUALIFIER	PIPE TWA	-10	120	89	94	101	45	40	40	42	FLZ	2/3		
EVRAZ Regina - 409442	AE-134D	CK117 14685-V	MILL CONTROL	PIPE TPA	-10	153	154	147	151	100	100	100	100	90	2/3		
		CK117 14685-V	MILL CONTROL	PIPE TWA	-10	114	105	82	100	25	25	25	25	FLZ	2/3		
	AE-134D	CK118 14700-M	MILL CONTROL	PIPE TWA	-10	95	65	120	93	25	20	25	23	FLZ	2/3		
		CK122 14760-H	LOT QUALIFIER	PIPE TWA	-10	136	93	158	129	85	50	100	78	FLZ	2/3		
	AE-134D	CK122 14765-N	LOT QUALIFIER	PIPE TPA	-10	182	152	152	162	100	100	100	100	90	2/3		
		CK122 14765-N	LOT QUALIFIER	PIPE TWA	-10	107	80	155	114	60	35	100	65	FLZ	2/3		
EVRAZ Regina - 409486	AE-134D	CK201 15941-F	MILL CONTROL	PIPE TPA	-10	202	228	183	204	100	100	100	100	90	2/3		
		CK201 15941-F	MILL CONTROL	PIPE TWA	-10	113	147	139	133	90	100	95	95	FLZ	2/3		
	AE-134D	CK202 15955-V	MILL CONTROL	PIPE TWA	-10	83	81	47	70	50	50	40	47	FLZ	2/3		
EVRAZ Regina - 409487	AE-134D	CK324 17747-K	MILL CONTROL	PIPE TPA	-10	185	218	153	185	100	100	100	100	90	2/3		
		CK324 17747-K	MILL CONTROL	PIPE TWA	-10	115	120	125	120	70	75	75	73	FLZ	2/3		
	AE-134D	CK325 17762-K	MILL CONTROL	PIPE TWA	-10	165	159	160	161	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 409488	AE-134D	CK217 16178-K	MILL CONTROL	PIPE TPA	-10	173	148	197	173	100	100	100	100	90	2/3		
		CK217 16178-K	MILL CONTROL	PIPE TWA	-10	138	119	129	129	95	90	90	92	FLZ	2/3		
	AE-134D	CK218 16192-M	MILL CONTROL	PIPE TWA	-10	152	123	138	138	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 409489	AE-134D	CK233 16415-L	MILL CONTROL	PIPE TPA	-10	250	198	159	202	100	100	100	100	90	2/3		
		CK233 16415-L	MILL CONTROL	PIPE TWA	-10	151	133	155	146	100	90	100	97	FLZ	2/3		
	AE-134D	CK234 16429-T	MILL CONTROL	PIPE TWA	-10	144	140	179	154	100	90	100	97	FLZ	2/3		
		CK238 16487-J	LOT QUALIFIER	PIPE TWA	-10	135	98	81	105	95	55	55	68	FLZ	2/3		
	AE-134D	CK239 16503-J	LOT QUALIFIER	PIPE TPA	-10	178	170	168	172	100	100	100	100	90	2/3		
		CK239 16503-J	LOT QUALIFIER	PIPE TWA	-10	143	245	179	189	95	100	100	98	FLZ	2/3		
EVRAZ Regina - 409490	AE-136A	CK978 25182-L	MILL CONTROL	PIPE TPA	-10	260	218	174	217	100	100	100	100	90	2/3		
		CK978 25182-L	MILL CONTROL	PIPE TWA	-10	90	57	41	63	45	40	40	42	FLZ	2/3		
	AE-136A	CK979 25196-N	MILL CONTROL	PIPE TWA	-10	145	110	49	101	80	80	25	62	FLZ	2/3		
EVRAZ Regina - 409528	AE-134D	CK380 18583-S	MILL CONTROL	PIPE TPA	-10	252	205	283	247	100	100	100	100	90	2/3		
		CK380 18583-S	MILL CONTROL	PIPE TWA	-10	152	151	144	149	80	80	75	78	FLZ	2/3		
	AE-134D	CK381 18596-K	MILL CONTROL	PIPE TWA	-10	173	143	188	168	100	80	100	93	FLZ	2/3		
EVRAZ Regina - 409529	AE-134D	CK363 18327-J	MILL CONTROL	PIPE TPA	-10	169	147	149	155	100	100	100	100	90	2/3		
		CK363 18327-J	MILL CONTROL	PIPE TWA	-10	220	174	220	205	100	100	100	100	FLZ	2/3		
	AE-134D	CK364 18342-T	MILL CONTROL	PIPE TWA	-10	158	161	153	157	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 409530	AE-134D	CK241 16541-K	MILL CONTROL	PIPE TPA	-10	208	183	255	215	100	100	100	100	90	2/3		
		CK241 16541-K	MILL CONTROL	PIPE TWA	-10	212	140	168	173	100	95	100	98	FLZ	2/3		
	AE-134D	CK242 16553-S	MILL CONTROL	PIPE TWA	-10	80	99	103	94	50	50	50	50	FLZ	2/3		
		CK384 18641-S	LOT QUALIFIER	PIPE TWA	-10	163	164	140	156	95	95	85	92	FLZ	2/3		
	AE-134D	CK385 18656-T	LOT QUALIFIER	PIPE TPA	-10	282	159	167	203	100	100	100	100	90	2/3		


EVRAZ Camrose														Friday, April 20, 2018, 12:35:59						
CERTIFICATE OF TESTING														Certificate ID: 187579-1						
Charpy														Customer PO: APPL 45709						
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm				Wall Thickness: 9.500 mm				Grade: GR.414-2				Mill Order No: WA 054675-01			
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat			
							#1	#2	#3	Avg	#1	#2	#3	Avg						
EVRAZ Regina - 409531	AE-134D	CK385 18656-T	LOT QUALIFIER	PIPE TWA	-10	81	73	72	75	55	50	50	52	FLZ	2/3					
	AE-134D	CK306 17478-S	MILL CONTROL	PIPE TPA	-10	170	155	245	190	100	100	100	100	90	2/3					
	AE-134D	CK306 17478-S	MILL CONTROL	PIPE TWA	-10	149	135	128	137	100	95	90	95	FLZ	2/3					
	AE-134D	CK307 17493-J	MILL CONTROL	PIPE TWA	-10	110	91	103	101	90	60	75	75	FLZ	2/3					
EVRAZ Regina - 409532	AE-134D	CK353 18179-S	MILL CONTROL	PIPE TPA	-10	138	134	150	141	100	100	100	100	90	2/3					
	AE-134D	CK353 18179-S	MILL CONTROL	PIPE TWA	-10	117	102	97	105	70	50	40	53	FLZ	2/3					
	AE-134D	CK354 18193-T	MILL CONTROL	PIPE TWA	-10	100	120	112	111	80	90	70	80	FLZ	2/3					
EVRAZ Regina - 409533	AE-134D	CK311 17553-L	MILL CONTROL	PIPE TPA	-10	168	251	165	195	100	100	100	100	90	2/3					
	AE-134D	CK311 17553-L	MILL CONTROL	PIPE TWA	-10	83	72	104	86	35	35	55	42	FLZ	2/3					
	AE-134D	CK312 17568-J	MILL CONTROL	PIPE TWA	-10	108	123	90	107	80	80	65	75	FLZ	2/3					
EVRAZ Regina - 409571	AE-134D	CK509 20499-N	MILL CONTROL	PIPE TPA	-10	152	258	171	194	100	100	100	100	90	2/3					
	AE-134D	CK509 20499-N	MILL CONTROL	PIPE TWA	-10	112	147	110	123	55	60	50	55	FLZ	2/3					
	AE-134D	CK510 20514-S	MILL CONTROL	PIPE TWA	-10	155	176	179	170	80	100	100	93	FLZ	2/3					
	AE-136A	CL007 25592-N	MILL CONTROL	PIPE TPA	-10	183	183	166	177	100	100	100	100	90	2/3					
	AE-136A	CL007 25592-N	MILL CONTROL	PIPE TWA	-10	96	98	80	91	45	45	45	45	FLZ	2/3					
	AE-136A	CL008 25607-F	MILL CONTROL	PIPE TWA	-10	90	90	83	88	40	40	40	40	FLZ	2/3					
EVRAZ Regina - 409572	AE-134D	CK466 19852-T	MILL CONTROL	PIPE TPA	-10	148	180	141	156	100	100	100	100	90	2/3					
	AE-134D	CK466 19852-T	MILL CONTROL	PIPE TWA	-10	159	139	142	147	100	100	100	100	FLZ	2/3					
	AE-134D	CK467 19868-H	MILL CONTROL	PIPE TWA	-10	79	64	98	80	45	40	50	45	FLZ	2/3					
EVRAZ Regina - 409573	AE-134D	CK443 19522-T	MILL CONTROL	PIPE TPA	-10	178	168	150	165	100	100	100	100	90	2/3					
	AE-134D	CK443 19522-T	MILL CONTROL	PIPE TWA	-10	141	132	120	131	100	100	100	100	FLZ	2/3					
	AE-134D	CK444 19537-K	MILL CONTROL	PIPE TWA	-10	139	101	151	130	100	90	100	97	FLZ	2/3					
EVRAZ Regina - 409574	AE-134D	CK373 18475-J	MILL CONTROL	PIPE TPA	-10	140	134	149	141	100	100	100	100	90	2/3					
	AE-134D	CK373 18475-J	MILL CONTROL	PIPE TWA	-10	131	116	126	124	75	60	75	70	FLZ	2/3					
	AE-134D	CK374 18490-T	MILL CONTROL	PIPE TWA	-10	51	47	55	51	15	15	15	15	FLZ	2/3					
EVRAZ Regina - 409576	AE-134D	CK448 19596-F	MILL CONTROL	PIPE TPA	-10	192	180	189	187	100	100	100	100	90	2/3					
	AE-134D	CK448 19596-F	MILL CONTROL	PIPE TWA	-10	119	131	145	132	60	95	100	85	FLZ	2/3					
	AE-134D	CK449 19611-H	MILL CONTROL	PIPE TWA	-10	150	142	140	144	100	100	100	100	FLZ	2/3					
EVRAZ Regina - 409607	AE-134D	CK422 19205-V	MILL CONTROL	PIPE TPA	-10	145	145	142	144	100	100	100	100	90	2/3					
	AE-134D	CK422 19205-V	MILL CONTROL	PIPE TWA	-10	117	110	127	118	85	80	70	78	FLZ	2/3					
	AE-134D	CK423 19227-S	MILL CONTROL	PIPE TWA	-10	115	108	111	111	70	70	70	70	FLZ	2/3					
EVRAZ Regina - 409608	AE-134D	CK416 19117-F	MILL CONTROL	PIPE TPA	-10	136	128	131	132	100	100	100	100	90	2/3					
	AE-134D	CK416 19117-F	MILL CONTROL	PIPE TWA	-10	100	99	95	98	40	40	40	40	FLZ	2/3					
	AE-134D	CK417 19132-H	MILL CONTROL	PIPE TWA	-10	112	100	97	103	80	70	50	67	FLZ	2/3					
EVRAZ Regina - 409609	AE-134D	CK460 19771-S	MILL CONTROL	PIPE TPA	-10	256	246	191	231	100	100	100	100	90	2/3					
	AE-134D	CK460 19771-S	MILL CONTROL	PIPE TWA	-10	56	62	69	62	30	30	30	30	FLZ	2/3					
	AE-134D	CK461 19786-F	MILL CONTROL	PIPE TWA	-10	133	159	141	144	95	100	100	98	FLZ	2/3					
	AE-136A	CK924 24414-J	MILL CONTROL	PIPE TPA	-10	144	203	151	166	100	100	100	100	90	2/3					
	AE-136A	CK924 24414-J	MILL CONTROL	PIPE TWA	-10	77	48	137	87	50	15	100	55	FLZ	2/3					
	AE-136A	CK925 24425-L	MILL CONTROL	PIPE TWA	-10	108	105	124	112	65	65	65	65	FLZ	2/3					
EVRAZ Regina - 409650	AE-134D	CK518 20631-L	MILL CONTROL	PIPE TPA	-10	149	155	141	148	100	100	100	100	90	2/3					
	AE-134D	CK518 20631-L	MILL CONTROL	PIPE TWA	-10	80	78	51	70	50	50	45	48	FLZ	2/3					
	AE-134D	CK519 20646-J	MILL CONTROL	PIPE TWA	-10	70	120	115	102	45	80	75	67	FLZ	2/3					
	AE-134D	CK555 21183-L	LOT QUALIFIER	PIPE TPA	-10	133	127	129	130	100	100	100	100	90	2/3					
	AE-134D	CK555 21183-L	LOT QUALIFIER	PIPE TWA	-10	84	125	94	101	75	100	75	83	FLZ	2/3					
	AE-134D	CK557 21220-F	LOT QUALIFIER	PIPE TWA	-10	78	62	85	75	15	15	15	15	FLZ	2/3					
EVRAZ Regina - 409651	AE-134D	CK543 21005-H	MILL CONTROL	PIPE TPA	-10	110	114	114	113	100	100	100	100	90	2/3					
	AE-134D	CK543 21005-H	MILL CONTROL	PIPE TWA	-10	102	96	75	91	55	55	50	53	FLZ	2/3					
	AE-134D	CK544 21020-K	MILL CONTROL	PIPE TWA	-10	53	43	48	48	15	15	20	17	FLZ	2/3					
EVRAZ Regina - 409652	AE-134D	CK483 20111-M	MILL CONTROL	PIPE TPA	-10	220	150	140	170	100	100	100	100	90	2/3					
	AE-134D	CK483 20111-M	MILL CONTROL	PIPE TWA	-10	89	115	75	93	40	50	40	43	FLZ	2/3					
	AE-134D	CK484 20126-S	MILL CONTROL	PIPE TWA	-10	125	150	152	142	95	100	100	98	FLZ	2/3					
EVRAZ Regina - 409653	AE-134D	CK490 20225-S	MILL CONTROL	PIPE TPA	-10	264	198	235	232	100	100	100	100	90	2/3					
	AE-134D	CK490 20225-S	MILL CONTROL	PIPE TWA	-10	126	117	112	118	45	50	50	48	FLZ	2/3					
	AE-134D	CK491 20233-S	MILL CONTROL	PIPE TWA	-10	177	127	148	151	85	50	50	62	FLZ	2/3					


<div><b>EVRAZ</b></div> <div>Camrose ERW</div> <div><div>EVRAZ Camrose</div><div>CERTIFICATE OF TESTING</div><div>Charpy</div></div>														Friday, April 20, 2018, 12:35:59					
														Certificate ID: 187579-1					
														Customer PO: APPL 45709					
														Mill Order No: WA 054675-01					
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2														
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements														
Supplier - Heat			Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
								#1	#2	#3	Avg	#1	#2	#3	Avg				
			AE-136A	CK900 24069-V	MILL CONTROL	PIPE TPA	-10	218	186	185	196	100	100	100	100	90	2/3		
			AE-136A	CK900 24069-V	MILL CONTROL	PIPE TWA	-10	120	122	122	121	95	90	85	90	FLZ	2/3		
			AE-136A	CK901 24084-H	MILL CONTROL	PIPE TWA	-10	135	156	187	159	85	95	100	93	FLZ	2/3		
EVRAZ Regina - 409654			AE-136A	CL099 26957-V	MILL CONTROL	PIPE TPA	-10	141	133	150	141	100	100	100	100	90	2/3		
			AE-136A	CL099 26957-V	MILL CONTROL	PIPE TWA	-10	87	98	63	83	40	45	30	38	FLZ	2/3		
			AE-136A	CL100 26972-H	MILL CONTROL	PIPE TWA	-10	62	91	104	86	40	100	80	73	FLZ	2/3		
EVRAZ Regina - 409655			AE-134D	CK612 22041-L	MILL CONTROL	PIPE TPA	-10	270	264	266	267	100	100	100	100	90	2/3		
			AE-134D	CK612 22041-L	MILL CONTROL	PIPE TWA	-10	139	125	138	134	70	65	70	68	FLZ	2/3		
			AE-134D	CK613 22056-S	MILL CONTROL	PIPE TWA	-10	67	114	115	99	15	55	55	42	FLZ	2/3		
			AE-134D	CK617 22116-L	LOT QUALIFIER	PIPE TPA	-10	148	170	208	175	100	100	100	100	90	2/3		
			AE-134D	CK617 22116-L	LOT QUALIFIER	PIPE TWA	-10	131	94	129	118	95	70	95	87	FLZ	2/3		
			AE-134D	CK619 22143-K	LOT QUALIFIER	PIPE TWA	-10	98	132	45	92	65	75	15	52	FLZ	2/3		
EVRAZ Regina - 409663			AE-134D	CK538 20930-V	MILL CONTROL	PIPE TPA	-10	165	176	157	166	100	100	100	100	90	2/3		
			AE-134D	CK538 20930-V	MILL CONTROL	PIPE TWA	-10	101	86	107	98	75	75	75	75	FLZ	2/3		
			AE-134D	CK539 20945-N	MILL CONTROL	PIPE TWA	-10	115	169	152	145	65	80	80	75	FLZ	2/3		
			AE-136A	CL029 25918-V	MILL CONTROL	PIPE TPA	-10	230	222	180	211	100	100	100	100	90	2/3		
			AE-136A	CL029 25918-V	MILL CONTROL	PIPE TWA	-10	150	141	180	157	100	95	100	98	FLZ	2/3		
			AE-136A	CL030 25933-H	MILL CONTROL	PIPE TWA	-10	111	119	149	126	85	80	90	85	FLZ	2/3		
EVRAZ Regina - 409664			AE-134D	CK534 20871-M	MILL CONTROL	PIPE TPA	-10	190	174	192	185	100	100	100	100	90	2/3		
			AE-134D	CK534 20871-M	MILL CONTROL	PIPE TWA	-10	92	48	41	60	40	25	25	30	FLZ	2/3		
			AE-134D	CK535 20885-J	MILL CONTROL	PIPE TWA	-10	169	112	124	135	85	70	70	75	FLZ	2/3		
			AE-136A	CL005 25562-L	MILL CONTROL	PIPE TPA	-10	151	165	174	163	100	100	100	100	90	2/3		
			AE-136A	CL005 25562-L	MILL CONTROL	PIPE TWA	-10	80	67	105	84	25	25	35	28	FLZ	2/3		
			AE-136A	CL006 25577-J	MILL CONTROL	PIPE TWA	-10	70	134	83	96	45	50	45	47	FLZ	2/3		
EVRAZ Regina - 409665			AE-134D	CK573 21459-K	MILL CONTROL	PIPE TPA	-10	179	138	149	155	100	100	100	100	90	2/3		
			AE-134D	CK573 21459-K	MILL CONTROL	PIPE TWA	-10	122	147	205	158	90	90	100	93	FLZ	2/3		
			AE-134D	CK574 21474-V	MILL CONTROL	PIPE TWA	-10	135	132	131	133	100	95	95	97	FLZ	2/3		
			AE-136A	CL031 25948-M	MILL CONTROL	PIPE TPA	-10	140	148	138	142	100	100	100	100	90	2/3		
			AE-136A	CL031 25948-M	MILL CONTROL	PIPE TWA	-10	40	97	69	69	30	35	30	32	FLZ	2/3		
			AE-136A	CL031 25952-T	MILL CONTROL	PIPE TWA	-10	59	85	58	67	30	35	35	33	FLZ	2/3		
EVRAZ Regina - 409666			AE-134D	CK620 22161-T	MILL CONTROL	PIPE TPA	-10	146	208	215	190	100	100	100	100	90	2/3		
			AE-134D	CK620 22161-T	MILL CONTROL	PIPE TWA	-10	139	152	120	137	80	90	75	82	FLZ	2/3		
			AE-134D	CK621 22176-K	MILL CONTROL	PIPE TWA	-10	173	160	116	150	100	85	95	93	FLZ	2/3		
EVRAZ Regina - 409667			AE-134D	CK566 21353-T	MILL CONTROL	PIPE TPA	-10	270	260	241	257	100	100	100	100	90	2/3		
			AE-134D	CK566 21353-T	MILL CONTROL	PIPE TWA	-10	104	160	137	134	60	75	75	70	FLZ	2/3		
			AE-134D	CK567 21368-K	MILL CONTROL	PIPE TWA	-10	147	171	161	160	75	95	95	88	FLZ	2/3		
			AE-136A	CL083 26720-F	MILL CONTROL	PIPE TPA	-10	211	203	152	189	100	100	100	100	90	2/3		
			AE-136A	CL083 26720-F	MILL CONTROL	PIPE TWA	-10	77	80	113	90	50	50	55	52	FLZ	2/3		
			AE-136A	CL084 26735-L	MILL CONTROL	PIPE TWA	-10	135	170	80	128	95	100	50	82	FLZ	2/3		
EVRAZ Regina - 409685			AE-136A	CK803 22635-L	MILL CONTROL	PIPE TPA	-10	277	244	263	261	100	100	100	100	90	2/3		
			AE-136A	CK803 22635-L	MILL CONTROL	PIPE TWA	-10	169	137	143	150	100	70	70	80	FLZ	2/3		
			AE-136A	CK804 22653-F	MILL CONTROL	PIPE TWA	-10	175	133	152	153	85	70	70	75	FLZ	2/3		
EVRAZ Regina - 409686			AE-136A	CK893 23965-T	MILL CONTROL	PIPE TPA	-10	183	179	170	177	100	100	100	100	90	2/3		
			AE-136A	CK893 23965-T	MILL CONTROL	PIPE TWA	-10	76	105	66	82	90	95	100	95	FLZ	2/3		
			AE-136A	CK894 23979-H	LOT QUALIFIER	PIPE TWA	-10	240	118	110	156	100	90	90	93	FLZ	2/3		
			AE-136A	CL022 25811-S	LOT QUALIFIER	PIPE TPA	-10	246	193	175	205	100	100	100	100	90	2/3		
			AE-136A	CL022 25811-S	LOT QUALIFIER	PIPE TWA	-10	44	64	108	72	20	20	40	27	FLZ	2/3		
			AE-136A	CL022 25814-K	LOT QUALIFIER	PIPE TWA	-10	150	124	87	120	80	75	50	68	FLZ	2/3		
EVRAZ Regina - 409687			AE-136A	CL067 26482-M	MILL CONTROL	PIPE TPA	-10	152	143	175	157	100	100	100	100	90	2/3		
			AE-136A	CL067 26482-M	MILL CONTROL	PIPE TWA	-10	48	63	51	54	20	25	20	22	FLZ	2/3		
			AE-136A	CL068 26497-T	MILL CONTROL	PIPE TWA	-10	64	114	128	102	45	45	75	55	FLZ	2/3		
EVRAZ Regina - 409688			AE-136A	CL091 26839-M	MILL CONTROL	PIPE TPA	-10	152	158	151	154	100	100	100	100	90	2/3		
			AE-136A	CL091 26839-M	MILL CONTROL	PIPE TWA	-10	73	145	93	104	40	95	50	62	FLZ	2/3		
			AE-136A	CL092 26854-M	MILL CONTROL	PIPE TWA	-10	93	90	87	90	50	65	55	57	FLZ	2/3		
			AE-136A	CL097 26927-T	LOT QUALIFIER	PIPE TWA	-10	30	35	38	34	20	20	20	20	FLZ	2/3		


<div></div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59			
														Certificate ID: 187579-1			
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														Mill Order No: WA 054675-01			
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2								Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements				
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat
							#1	#2	#3	Avg	#1	#2	#3	Avg			
		AE-136A	CL098 26942-S	LOT QUALIFIER	PIPE TPA	-10	183	152	171	169	100	100	100	100	90	2/3	
		AE-136A	CL098 26942-S	LOT QUALIFIER	PIPE TWA	-10	158	110	87	118	100	50	50	67	FLZ	2/3	
EVRAZ Regina - 409714		AE-136A	CL077 26631-M	MILL CONTROL	PIPE TPA	-10	175	160	184	173	100	100	100	100	90	2/3	
		AE-136A	CL077 26631-M	MILL CONTROL	PIPE TWA	-10	126	139	127	131	50	50	50	50	FLZ	2/3	
		AE-136A	CL078 26645-S	MILL CONTROL	PIPE TWA	-10	131	158	143	144	75	75	75	75	FLZ	2/3	
EVRAZ Regina - 409715		AE-136A	CK874 23687-M	MILL CONTROL	PIPE TPA	-10	162	180	145	162	100	100	100	100	90	2/3	
		AE-136A	CK874 23687-M	MILL CONTROL	PIPE TWA	-10	132	125	138	132	85	60	85	77	FLZ	2/3	
		AE-136A	CK888 23891-F	MILL CONTROL	PIPE TWA	-10	120	105	49	91	100	70	40	70	FLZ	2/3	
EVRAZ Regina - 409716		AE-136A	CL061 26392-N	MILL CONTROL	PIPE TPA	-10	244	277	217	246	100	100	100	100	90	2/3	
		AE-136A	CL061 26392-N	MILL CONTROL	PIPE TWA	-10	106	81	73	87	75	30	30	45	FLZ	2/3	
		AE-136A	CL062 26407-F	MILL CONTROL	PIPE TWA	-10	74	92	118	95	35	45	60	47	FLZ	2/3	
EVRAZ Regina - 409717		AE-136A	CK822 22917-S	MILL CONTROL	PIPE TPA	-10	113	99	105	106	100	100	100	100	90	2/3	
		AE-136A	CK822 22917-S	MILL CONTROL	PIPE TWA	-10	89	85	74	83	25	25	25	25	FLZ	2/3	
		AE-136A	CK823 22932-L	MILL CONTROL	PIPE TWA	-10	34	31	37	34	10	10	10	10	FLZ	2/3	
		AE-136A	CK881 23797-H	LOT QUALIFIER	PIPE TWA	-10	73	81	75	76	90	90	90	90	FLZ	2/3	
		AE-136A	CK881 23805-H	LOT QUALIFIER	PIPE TPA	-10	94	91	97	94	100	100	100	100	90	2/3	
		AE-136A	CK881 23805-H	LOT QUALIFIER	PIPE TWA	-10	38	35	36	36	90	95	90	92	FLZ	2/3	
EVRAZ Regina - 409718		AE-136A	CK962 24940-K	MILL CONTROL	PIPE TPA	-10	175	135	138	149	100	100	100	100	90	2/3	
		AE-136A	CK962 24940-K	MILL CONTROL	PIPE TWA	-10	82	97	122	100	45	45	45	45	FLZ	2/3	
		AE-136A	CK963 24954-S	MILL CONTROL	PIPE TWA	-10	95	74	77	82	30	30	30	30	FLZ	2/3	
EVRAZ Regina - 409746		AE-136A	CL032 25963-M	MILL CONTROL	PIPE TPA	-10	130	131	138	133	100	100	100	100	90	2/3	
		AE-136A	CL032 25963-M	MILL CONTROL	PIPE TWA	-10	72	85	77	78	40	45	55	47	FLZ	2/3	
		AE-136A	CL033 25978-T	MILL CONTROL	PIPE TWA	-10	45	54	38	46	40	40	30	37	FLZ	2/3	
EVRAZ Regina - 409747		AE-136A	CL105 27047-V	MILL CONTROL	PIPE TPA	-10	132	130	135	132	100	100	100	100	90	2/3	
		AE-136A	CL105 27047-V	MILL CONTROL	PIPE TWA	-10	97	77	119	98	50	45	95	63	FLZ	2/3	
		AE-136A	CL106 27062-V	MILL CONTROL	PIPE TWA	-10	63	68	45	59	40	40	30	37	FLZ	2/3	
EVRAZ Regina - 409748		AE-136A	CL042 26111-N	MILL CONTROL	PIPE TPA	-10	145	143	133	140	100	100	100	100	90	2/3	
		AE-136A	CL042 26111-N	MILL CONTROL	PIPE TWA	-10	86	103	109	99	60	60	60	60	FLZ	2/3	
		AE-136A	CL043 26126-F	MILL CONTROL	PIPE TWA	-10	85	92	111	96	45	50	50	48	FLZ	2/3	
		AE-136A	CL052 26256-S	LOT QUALIFIER	PIPE TPA	-10	131	139	144	138	100	100	100	100	90	2/3	
		AE-136A	CL052 26256-S	LOT QUALIFIER	PIPE TWA	-10	95	94	80	90	55	50	60	55	FLZ	2/3	
		AE-136A	CL052 26257-T	LOT QUALIFIER	PIPE TWA	-10	78	65	56	66	50	60	50	53	FLZ	2/3	
EVRAZ Regina - 409749		AE-136A	CL113 27166-K	MILL CONTROL	PIPE TPA	-10	168	175	166	170	100	100	100	100	90	2/3	
		AE-136A	CL113 27166-K	MILL CONTROL	PIPE TWA	-10	124	119	93	112	65	65	50	60	FLZ	2/3	
		AE-136A	CL114 27180-T	MILL CONTROL	PIPE TWA	-10	107	69	83	86	70	25	35	43	FLZ	2/3	
EVRAZ Regina - 409750		AE-136A	CK913 24255-M	MILL CONTROL	PIPE TPA	-10	144	122	165	144	100	100	100	100	90	2/3	
		AE-136A	CK913 24255-M	MILL CONTROL	PIPE TWA	-10	119	101	95	105	100	100	90	97	FLZ	2/3	
		AE-136A	CK914 24270-K	MILL CONTROL	PIPE TWA	-10	60	87	113	87	70	75	90	78	FLZ	2/3	
EVRAZ Regina - 409832		AE-136A	CK865 23551-T	MILL CONTROL	PIPE TPA	-10	167	206	153	175	100	100	100	100	90	2/3	
		AE-136A	CK865 23551-T	MILL CONTROL	PIPE TWA	-10	106	111	145	121	45	45	75	55	FLZ	2/3	
		AE-136A	CK866 23566-V	MILL CONTROL	PIPE TWA	-10	121	157	152	143	65	100	100	88	FLZ	2/3	
EVRAZ Regina - 409833		AE-136A	CK949 24760-J	MILL CONTROL	PIPE TPA	-10	163	161	141	155	100	100	100	100	90	2/3	
		AE-136A	CK949 24760-J	MILL CONTROL	PIPE TWA	-10	89	82	110	94	45	45	60	50	FLZ	2/3	
		AE-136A	CK950 24774-F	MILL CONTROL	PIPE TWA	-10	122	125	111	119	90	95	95	93	FLZ	2/3	
EVRAZ Regina - 409834		AE-136A	CK953 24818-M	MILL CONTROL	PIPE TPA	-10	180	191	208	193	100	100	100	100	90	2/3	
		AE-136A	CK953 24818-M	MILL CONTROL	PIPE TWA	-10	129	151	166	149	95	95	95	95	FLZ	2/3	
		AE-136A	CK954 24833-K	MILL CONTROL	PIPE TWA	-10	117	157	135	136	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409835		AE-136A	CK944 24688-H	MILL CONTROL	PIPE TPA	-10	155	166	143	155	100	100	100	100	90	2/3	
		AE-136A	CK944 24688-H	MILL CONTROL	PIPE TWA	-10	122	125	110	119	95	95	95	95	FLZ	2/3	
		AE-136A	CK945 24703-J	MILL CONTROL	PIPE TWA	-10	79	111	108	99	40	50	50	47	FLZ	2/3	
EVRAZ Regina - 409836		AE-136A	CL125 27328-V	MILL CONTROL	PIPE TPA	-10	130	158	150	146	100	100	100	100	90	2/3	
		AE-136A	CL125 27328-V	MILL CONTROL	PIPE TWA	-10	65	51	58	58	25	25	25	25	FLZ	2/3	
		AE-136A	CL126 27343-H	MILL CONTROL	PIPE TWA	-10	123	131	110	121	80	85	70	78	FLZ	2/3	
EVRAZ Regina - 409837		AE-136A	CL131 27417-J	MILL CONTROL	PIPE TPA	-10	139	138	150	142	100	100	100	100	90	2/3	
		AE-136A	CL131 27417-J	MILL CONTROL	PIPE TWA	-10	55	63	82	67	40	40	40	40	FLZ	2/3	

EVRAZ Camrose CERTIFICATE OF TESTING Charpy													Friday, April 20, 2018, 12:35:59					
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2								Certificate ID: 187579-1					
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements								Customer PO: APPL 45709					
					Mill Order No: WA 054675-01													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
EVRAZ Regina - 409838	AE-136A	CL132 27432-N	MILL CONTROL	PIPE TWA	-10	77	60	50	62	30	25	25	27	FLZ	2/3			
	AE-136A	CK815 22814-J	MILL CONTROL	PIPE TPA	-10	145	182	153	160	100	100	100	100	90	2/3			
	AE-136A	CK815 22814-J	MILL CONTROL	PIPE TWA	-10	113	135	124	124	60	100	75	78	FLZ	2/3			
	AE-136A	CK816 22828-F	MILL CONTROL	PIPE TWA	-10	136	111	110	119	100	60	60	73	FLZ	2/3			
EVRAZ Regina - 409839	AE-136A	CK957 24877-J	MILL CONTROL	PIPE TPA	-10	131	138	140	136	100	100	100	100	90	2/3			
	AE-136A	CK957 24877-J	MILL CONTROL	PIPE TWA	-10	108	94	97	100	45	45	45	45	FLZ	2/3			
	AE-136A	CK958 24889-S	MILL CONTROL	PIPE TWA	-10	120	136	170	142	95	90	95	93	FLZ	2/3			
EVRAZ Regina - 409894	AE-136A	CK996 25442-K	MILL CONTROL	PIPE TPA	-10	254	200	235	230	100	100	100	100	90	2/3			
	AE-136A	CK996 25442-K	MILL CONTROL	PIPE TWA	-10	120	92	110	107	80	40	70	63	FLZ	2/3			
	AE-136A	CK997 25457-T	MILL CONTROL	PIPE TWA	-10	125	83	143	117	70	40	80	63	FLZ	2/3			
	AE-136A	CL003 25534-M	LOT QUALIFIER	PIPE TWA	-10	72	93	102	89	25	40	40	35	FLZ	2/3			
	AE-136A	CL004 25554-L	LOT QUALIFIER	PIPE TPA	-10	193	192	198	194	100	100	100	100	90	2/3			
	AE-136A	CL004 25554-L	LOT QUALIFIER	PIPE TWA	-10	91	112	126	110	45	45	50	47	FLZ	2/3			
EVRAZ Regina - 409895	AE-136A	CK990 25358-T	MILL CONTROL	PIPE TPA	-10	186	208	173	189	100	100	100	100	90	2/3			
	AE-136A	CK990 25358-T	MILL CONTROL	PIPE TWA	-10	108	180	135	141	50	100	60	70	FLZ	2/3			
	AE-136A	CK991 25373-S	MILL CONTROL	PIPE TWA	-10	99	81	98	93	30	30	30	30	FLZ	2/3			
EVRAZ Regina - 528243	AE-134D	CJ486 6335-V	MILL CONTROL	PIPE TPA	-10	191	145	165	167	100	100	100	100	90	2/3			
	AE-134D	CJ486 6335-V	MILL CONTROL	PIPE TWA	-10	91	164	199	151	60	100	100	87	FLZ	2/3			
	AE-134D	CJ487 6349-S	MILL CONTROL	PIPE TWA	-10	71	135	89	98	30	70	60	53	FLZ	2/3			
EVRAZ Regina - 528244	AE-134D	CJ432 5528-K	MILL CONTROL	PIPE TPA	-10	160	154	145	153	100	100	100	100	90	2/3			
	AE-134D	CJ432 5528-K	MILL CONTROL	PIPE TWA	-10	113	95	87	98	70	70	75	72	FLZ	2/3			
	AE-134D	CJ433 5543-V	MILL CONTROL	PIPE TWA	-10	112	102	145	120	85	85	90	87	FLZ	2/3			
EVRAZ Regina - 528245	AE-134D	CJ592 7903-V	MILL CONTROL	PIPE TPA	-10	139	162	143	148	100	100	100	100	90	2/3			
	AE-134D	CJ592 7903-V	MILL CONTROL	PIPE TWA	-10	152	184	100	145	85	85	85	85	FLZ	2/3			
	AE-134D	CJ593 7915-T	MILL CONTROL	PIPE TWA	-10	125	94	208	142	100	80	100	93	FLZ	2/3			
EVRAZ Regina - 528246	AE-134D	CJ426 5438-H	MILL CONTROL	PIPE TPA	-10	145	145	149	146	100	100	100	100	90	2/3			
	AE-134D	CJ426 5438-H	MILL CONTROL	PIPE TWA	-10	133	110	93	112	80	80	80	80	FLZ	2/3			
	AE-134D	CJ427 5452-K	MILL CONTROL	PIPE TWA	-10	85	84	115	95	65	65	65	65	FLZ	2/3			
EVRAZ Regina - 528247	AE-134D	CJ472 6122-F	MILL CONTROL	PIPE TPA	-10	245	207	154	202	100	100	100	100	90	2/3			
	AE-134D	CJ472 6122-F	MILL CONTROL	PIPE TWA	-10	109	127	83	106	60	50	55	55	FLZ	2/3			
	AE-134D	CJ473 6137-V	MILL CONTROL	PIPE TWA	-10	24	83	117	75	15	55	65	45	FLZ	2/3			
EVRAZ Regina - 528276	AE-134D	CJ510 6685-T	MILL CONTROL	PIPE TPA	-10	205	168	160	178	100	100	100	100	90	2/3			
	AE-134D	CJ510 6685-T	MILL CONTROL	PIPE TWA	-10	85	119	88	97	30	85	50	55	FLZ	2/3			
	AE-134D	CJ511 6700-F	MILL CONTROL	PIPE TWA	-10	107	71	128	102	70	20	80	57	FLZ	2/3			
EVRAZ Regina - 528277	AE-134D	CJ445 5720-J	MILL CONTROL	PIPE TPA	-10	195	269	268	244	100	100	100	100	90	2/3			
	AE-134D	CJ445 5720-J	MILL CONTROL	PIPE TWA	-10	109	170	180	153	80	90	100	90	FLZ	2/3			
	AE-134D	CJ446 5735-H	MILL CONTROL	PIPE TWA	-10	210	243	240	231	100	100	100	100	FLZ	2/3			
EVRAZ Regina - 528278	AE-134D	CJ484 6304-F	MILL CONTROL	PIPE TPA	-10	265	262	252	260	100	100	100	100	90	2/3			
	AE-134D	CJ484 6304-F	MILL CONTROL	PIPE TWA	-10	263	72	240	192	100	70	100	90	FLZ	2/3			
	AE-134D	CJ485 6318-M	MILL CONTROL	PIPE TWA	-10	99	141	106	115	65	95	90	83	FLZ	2/3			
EVRAZ Regina - 528279	AE-134D	CJ568 7552-S	MILL CONTROL	PIPE TPA	-10	262	224	238	241	100	100	100	100	90	2/3			
	AE-134D	CJ568 7552-S	MILL CONTROL	PIPE TWA	-10	117	232	135	161	95	100	100	98	FLZ	2/3			
	AE-134D	CJ569 7567-F	MILL CONTROL	PIPE TWA	-10	225	124	114	154	100	100	100	100	FLZ	2/3			
EVRAZ Regina - 528280	AE-134D	CJ413 5267-S	MILL CONTROL	PIPE TPA	-10	251	158	247	219	100	100	100	100	90	2/3			
	AE-134D	CJ413 5267-S	MILL CONTROL	PIPE TWA	-10	69	50	67	62	45	20	35	33	FLZ	2/3			
	AE-134D	CJ414 5278-M	MILL CONTROL	PIPE TWA	-10	78	92	21	64	50	45	10	35	FLZ	2/3			
EVRAZ Regina - 528317	AE-134D	CJ541 7148-J	MILL CONTROL	PIPE TPA	-10	179	155	143	159	100	100	100	100	90	2/3			
	AE-134D	CJ541 7148-J	MILL CONTROL	PIPE TWA	-10	72	180	67	106	60	100	50	70	FLZ	2/3			
	AE-134D	CJ542 7163-J	MILL CONTROL	PIPE TWA	-10	85	165	118	123	50	100	100	83	FLZ	2/3			
EVRAZ Regina - 528318	AE-134D	CJ504 6595-J	MILL CONTROL	PIPE TPA	-10	252	271	236	253	100	100	100	100	90	2/3			
	AE-134D	CJ504 6595-J	MILL CONTROL	PIPE TWA	-10	140	71	132	114	95	35	95	75	FLZ	2/3			
	AE-134D	CJ505 6610-T	MILL CONTROL	PIPE TWA	-10	66	90	123	93	25	50	95	57	FLZ	2/3			
EVRAZ Regina - 528319	AE-134D	CJ522 6869-S	MILL CONTROL	PIPE TPA	-10	151	168	195	171	100	100	100	100	90	2/3			
	AE-134D	CJ522 6869-S	MILL CONTROL	PIPE TWA	-10	87	38	81	69	60	60	25	48	FLZ	2/3			
	AE-134D	CJ523 6882-F	MILL CONTROL	PIPE TWA	-10	46	62	60	56	35	35	35	35	FLZ	2/3			


<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>															Friday, April 20, 2018, 12:35:59			
															Certificate ID: 187579-1			
															Customer PO: APPL 45709			
															Mill Order No: WA 054675-01			
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2													
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
EVRAZ Regina - 528320		AE-134D	CJ563 7477-T	MILL CONTROL	PIPE TPA	-10	145	175	187	169	100	100	100	100	90	2/3		
		AE-134D	CJ563 7477-T	MILL CONTROL	PIPE TWA	-10	101	91	58	83	85	75	60	73	FLZ	2/3		
		AE-134D	CJ564 7492-F	MILL CONTROL	PIPE TWA	-10	111	83	79	91	85	70	70	75	FLZ	2/3		
EVRAZ Regina - 528321		AE-134D	CJ529 6971-K	MILL CONTROL	PIPE TPA	-10	144	164	165	158	100	100	100	100	90	2/3		
		AE-134D	CJ529 6971-K	MILL CONTROL	PIPE TWA	-10	120	101	98	106	80	80	75	78	FLZ	2/3		
		AE-134D	CJ530 6984-S	MILL CONTROL	PIPE TWA	-10	88	31	95	71	75	10	75	53	FLZ	2/3		
EVRAZ Regina - 528346		AE-134D	CJ661 8897-T	MILL CONTROL	PIPE TPA	-10	139	130	140	136	100	100	100	100	90	2/3		
		AE-134D	CJ661 8897-T	MILL CONTROL	PIPE TWA	-10	149	115	148	137	100	50	100	83	FLZ	2/3		
		AE-134D	CJ662 8912-F	MILL CONTROL	PIPE TWA	-10	53	98	71	74	25	40	40	35	FLZ	2/3		
EVRAZ Regina - 528347		AE-134D	CJ588 7840-T	MILL CONTROL	PIPE TPA	-10	146	138	143	142	100	100	100	100	90	2/3		
		AE-134D	CJ588 7840-T	MILL CONTROL	PIPE TWA	-10	81	71	111	88	55	30	60	48	FLZ	2/3		
		AE-134D	CJ589 7855-H	MILL CONTROL	PIPE TWA	-10	130	137	95	121	85	85	85	85	FLZ	2/3		
EVRAZ Regina - 528348		AE-134D	CJ606 8108-M	MILL CONTROL	PIPE TPA	-10	140	155	220	172	100	100	100	100	90	2/3		
		AE-134D	CJ606 8108-M	MILL CONTROL	PIPE TWA	-10	105	99	100	101	80	80	80	80	FLZ	2/3		
		AE-134D	CJ607 8123-L	MILL CONTROL	PIPE TWA	-10	82	94	57	78	70	70	65	68	FLZ	2/3		
EVRAZ Regina - 528349		AE-134D	CJ622 8344-J	MILL CONTROL	PIPE TPA	-10	153	264	162	193	100	100	100	100	90	2/3		
		AE-134D	CJ622 8344-J	MILL CONTROL	PIPE TWA	-10	91	131	224	149	75	90	100	88	FLZ	2/3		
		AE-134D	CJ624 8374-H	MILL CONTROL	PIPE TWA	-10	81	161	39	94	40	100	25	55	FLZ	2/3		
EVRAZ Regina - 528350		AE-134D	CJ535 7059-L	MILL CONTROL	PIPE TPA	-10	151	212	163	175	100	100	100	100	90	2/3		
		AE-134D	CJ535 7059-L	MILL CONTROL	PIPE TWA	-10	166	154	51	124	100	100	15	72	FLZ	2/3		
		AE-134D	CJ536 7074-N	MILL CONTROL	PIPE TWA	-10	135	138	126	133	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528424		AE-134D	CJ739 10023-K	MILL CONTROL	PIPE TPA	-10	249	208	177	211	100	100	100	100	90	2/3		
		AE-134D	CJ739 10023-K	MILL CONTROL	PIPE TWA	-10	101	125	91	106	55	55	60	57	FLZ	2/3		
		AE-134D	CJ740 10038-L	MILL CONTROL	PIPE TWA	-10	111	125	97	111	55	75	60	63	FLZ	2/3		
		AE-134D	CJ745 10122-K	LOT QUALIFIER	PIPE TWA	-10	103	75	85	88	75	60	60	65	FLZ	2/3		
		AE-134D	CJ746 10128-N	LOT QUALIFIER	PIPE TPA	-10	141	143	149	144	100	100	100	100	90	2/3		
		AE-134D	CJ746 10128-N	LOT QUALIFIER	PIPE TWA	-10	80	73	85	79	35	30	35	33	FLZ	2/3		
EVRAZ Regina - 528425		AE-134D	CJ620 8314-M	MILL CONTROL	PIPE TPA	-10	223	262	270	252	100	100	100	100	90	2/3		
		AE-134D	CJ620 8314-M	MILL CONTROL	PIPE TWA	-10	197	107	96	133	100	85	70	85	FLZ	2/3		
		AE-134D	CJ621 8329-S	MILL CONTROL	PIPE TWA	-10	102	107	87	99	75	75	70	73	FLZ	2/3		
		AE-134D	CJ720 9750-V	LOT QUALIFIER	PIPE TPA	-10	180	164	198	181	100	100	100	100	90	2/3		
		AE-134D	CJ720 9750-V	LOT QUALIFIER	PIPE TWA	-10	165	157	88	137	100	100	20	73	FLZ	2/3		
		AE-134D	CJ720 9759-M	LOT QUALIFIER	PIPE TWA	-10	137	130	150	139	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528426		AE-134D	CJ654 8793-M	MILL CONTROL	PIPE TPA	-10	185	190	199	191	100	100	100	100	90	2/3		
		AE-134D	CJ654 8793-M	MILL CONTROL	PIPE TWA	-10	110	121	90	107	50	50	35	45	FLZ	2/3		
		AE-134D	CJ658 8853-H	MILL CONTROL	PIPE TWA	-10	168	115	125	136	95	60	80	78	FLZ	2/3		
EVRAZ Regina - 528427		AE-134D	CJ628 8433-F	MILL CONTROL	PIPE TPA	-10	140	151	190	160	100	100	100	100	90	2/3		
		AE-134D	CJ628 8433-F	MILL CONTROL	PIPE TWA	-10	131	158	112	134	65	90	60	72	FLZ	2/3		
		AE-134D	CJ629 8446-L	MILL CONTROL	PIPE TWA	-10	129	29	121	93	55	20	55	43	FLZ	2/3		
EVRAZ Regina - 528457		AE-134D	CJ782 10663-S	MILL CONTROL	PIPE TPA	-10	235	249	249	244	100	100	100	100	90	2/3		
		AE-134D	CJ782 10663-S	MILL CONTROL	PIPE TWA	-10	157	162	172	164	70	75	75	73	FLZ	2/3		
		AE-134D	CJ783 10678-F	MILL CONTROL	PIPE TWA	-10	154	136	117	136	75	75	75	75	FLZ	2/3		
EVRAZ Regina - 528458		AE-134D	CJ753 10232-T	MILL CONTROL	PIPE TPA	-10	152	166	212	177	100	100	100	100	90	2/3		
		AE-134D	CJ753 10232-T	MILL CONTROL	PIPE TWA	-10	153	168	84	135	100	100	70	90	FLZ	2/3		
		AE-134D	CJ754 10247-K	MILL CONTROL	PIPE TWA	-10	127	154	125	135	90	90	90	90	FLZ	2/3		
		AE-134D	CJ759 10331-T	LOT QUALIFIER	PIPE TWA	-10	100	146	159	135	75	100	100	92	FLZ	2/3		
		AE-134D	CJ760 10337-V	LOT QUALIFIER	PIPE TPA	-10	156	163	168	162	100	100	100	100	90	2/3		
		AE-134D	CJ760 10337-V	LOT QUALIFIER	PIPE TWA	-10	158	168	104	143	100	75	65	80	FLZ	2/3		
EVRAZ Regina - 528459		AE-134D	CJ761 10352-V	MILL CONTROL	PIPE TPA	-10	138	136	170	148	100	100	100	100	90	2/3		
		AE-134D	CJ761 10352-V	MILL CONTROL	PIPE TWA	-10	92	102	71	88	30	30	25	28	FLZ	2/3		
		AE-134D	CJ762 10367-N	MILL CONTROL	PIPE TWA	-10	124	113	105	114	55	55	55	55	FLZ	2/3		
		AE-134D	CJ767 10442-L	LOT QUALIFIER	PIPE TWA	-10	85	94	120	100	35	40	85	53	FLZ	2/3		
		AE-134D	CJ768 10457-S	LOT QUALIFIER	PIPE TPA	-10	154	140	138	144	100	100	100	100	90	2/3		
		AE-134D	CJ768 10457-S	LOT QUALIFIER	PIPE TWA	-10	87	34	117	79	70	35	85	63	FLZ	2/3		
EVRAZ Regina - 528477	AE-134D	CJ691 9323-H	MILL CONTROL	PIPE TPA	-10	149	151	155	152	100	100	100	100	90	2/3			


<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59				
														Certificate ID: 187579-1				
														Customer PO: APPL 45709				
														Mill Order No: WA 054675-01				
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2													
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
		AE-134D	CJ691 9323-H	MILL CONTROL	PIPE TWA	-10	90	91	98	93	50	50	60	53	FLZ	2/3		
		AE-134D	CJ692 9338-M	MILL CONTROL	PIPE TWA	-10	139	74	138	117	100	25	100	75	FLZ	2/3		
EVRAZ Regina - 528478	AE-134D	CJ806 11023-F	MILL CONTROL	PIPE TPA		-10	207	266	163	212	100	100	100	100	90	2/3		
	AE-134D	CJ806 11023-F	MILL CONTROL	PIPE TWA		-10	64	60	85	70	25	25	25	25	FLZ	2/3		
	AE-134D	CJ807 11037-M	MILL CONTROL	PIPE TWA		-10	95	67	116	93	30	30	45	35	FLZ	2/3		
EVRAZ Regina - 528479	AE-134D	CJ700 9453-V	MILL CONTROL	PIPE TPA		-10	140	140	150	143	100	100	100	100	90	2/3		
	AE-134D	CJ700 9453-V	MILL CONTROL	PIPE TWA		-10	125	171	119	138	90	90	90	90	FLZ	2/3		
	AE-134D	CJ701 9468-N	MILL CONTROL	PIPE TWA		-10	170	121	113	135	95	95	95	95	FLZ	2/3		
EVRAZ Regina - 528480	AE-134D	CJ670 9028-T	MILL CONTROL	PIPE TPA		-10	182	202	135	173	100	100	100	100	90	2/3		
	AE-134D	CJ670 9028-T	MILL CONTROL	PIPE TWA		-10	106	96	109	104	85	85	85	85	FLZ	2/3		
	AE-134D	CJ671 9041-K	MILL CONTROL	PIPE TWA		-10	118	118	114	117	85	85	80	83	FLZ	2/3		
EVRAZ Regina - 528481	AE-134D	CJ684 9218-T	MILL CONTROL	PIPE TPA		-10	193	279	190	221	100	100	100	100	90	2/3		
	AE-134D	CJ684 9218-T	MILL CONTROL	PIPE TWA		-10	162	208	136	169	100	100	100	100	FLZ	2/3		
	AE-134D	CJ685 9233-F	MILL CONTROL	PIPE TWA		-10	205	113	206	175	100	75	100	92	FLZ	2/3		
	AE-134D	CJ897 12348-N	LOT QUALIFIER	PIPE TWA		-10	144	113	156	138	90	65	100	85	FLZ	2/3		
	AE-134D	CJ898 12363-N	LOT QUALIFIER	PIPE TPA		-10	192	142	146	160	100	100	100	100	90	2/3		
	AE-134D	CJ898 12363-N	LOT QUALIFIER	PIPE TWA		-10	122	130	95	116	50	55	45	50	FLZ	2/3		
EVRAZ Regina - 528482	AE-134D	CJ689 9293-S	MILL CONTROL	PIPE TPA		-10	254	266	252	257	100	100	100	100	90	2/3		
	AE-134D	CJ689 9293-S	MILL CONTROL	PIPE TWA		-10	132	126	92	117	85	85	35	68	FLZ	2/3		
	AE-134D	CJ690 9308-F	MILL CONTROL	PIPE TWA		-10	117	132	128	126	80	85	85	83	FLZ	2/3		
EVRAZ Regina - 528483	AE-134D	CJ687 9263-V	MILL CONTROL	PIPE TPA		-10	140	152	158	150	100	100	100	100	90	2/3		
	AE-134D	CJ687 9263-V	MILL CONTROL	PIPE TWA		-10	146	103	130	126	100	65	85	83	FLZ	2/3		
	AE-134D	CJ688 9278-N	MILL CONTROL	PIPE TWA		-10	34	166	52	84	20	100	25	48	FLZ	2/3		
	AE-134D	CJ915 12621-M	LOT QUALIFIER	PIPE TWA		-10	86	66	77	76	35	25	35	32	FLZ	2/3		
	AE-134D	CJ916 12636-S	LOT QUALIFIER	PIPE TPA		-10	161	173	171	168	100	100	100	100	90	2/3		
	AE-134D	CJ916 12636-S	LOT QUALIFIER	PIPE TWA		-10	87	117	137	114	35	60	80	58	FLZ	2/3		
EVRAZ Regina - 528533	AE-134D	CJ811 11096-K	MILL CONTROL	PIPE TPA		-10	147	148	159	151	100	100	100	100	90	2/3		
	AE-134D	CJ811 11096-K	MILL CONTROL	PIPE TWA		-10	54	74	35	54	20	20	20	20	FLZ	2/3		
	AE-134D	CJ812 11115-T	MILL CONTROL	PIPE TWA		-10	83	68	84	78	30	25	25	27	FLZ	2/3		
EVRAZ Regina - 528534	AE-134D	CJ828 11351-K	MILL CONTROL	PIPE TPA		-10	191	177	148	172	100	100	100	100	90	2/3		
	AE-134D	CJ828 11351-K	MILL CONTROL	PIPE TWA		-10	39	111	117	89	15	70	70	52	FLZ	2/3		
	AE-134D	CJ829 11365-N	MILL CONTROL	PIPE TWA		-10	60	50	58	56	15	20	20	18	FLZ	2/3		
EVRAZ Regina - 528535	AE-134D	CJ873 11995-M	MILL CONTROL	PIPE TPA		-10	192	170	160	174	100	100	100	100	90	2/3		
	AE-134D	CJ873 11995-M	MILL CONTROL	PIPE TWA		-10	87	65	82	78	35	25	35	32	FLZ	2/3		
	AE-134D	CJ874 12010-V	MILL CONTROL	PIPE TWA		-10	43	135	71	83	20	90	35	48	FLZ	2/3		
	AE-134D	CK177 15581-L	LOT QUALIFIER	PIPE TWA		-10	141	115	127	128	100	80	90	90	FLZ	2/3		
	AE-134D	CK178 15601-H	LOT QUALIFIER	PIPE TPA		-10	177	275	165	206	100	100	100	100	90	2/3		
	AE-134D	CK178 15601-H	LOT QUALIFIER	PIPE TWA		-10	130	176	123	143	100	100	75	92	FLZ	2/3		
EVRAZ Regina - 528539	AE-134D	CJ858 11770-L	MILL CONTROL	PIPE TPA		-10	170	152	275	199	100	100	100	100	90	2/3		
	AE-134D	CJ858 11770-L	MILL CONTROL	PIPE TWA		-10	111	156	92	120	55	90	50	65	FLZ	2/3		
	AE-134D	CJ859 11785-J	MILL CONTROL	PIPE TWA		-10	159	153	123	145	90	95	60	82	FLZ	2/3		
	AE-134D	CJ864 11860-N	LOT QUALIFIER	PIPE TWA		-10	178	121	160	153	95	65	95	85	FLZ	2/3		
	AE-134D	CJ865 11875-T	LOT QUALIFIER	PIPE TPA		-10	152	276	264	231	100	100	100	100	90	2/3		
	AE-134D	CJ865 11875-T	LOT QUALIFIER	PIPE TWA		-10	191	78	115	128	95	50	70	72	FLZ	2/3		
EVRAZ Regina - 528540	AE-134D	CJ926 12788-V	MILL CONTROL	PIPE TPA		-10	258	158	235	217	100	100	100	100	90	2/3		
	AE-134D	CJ926 12788-V	MILL CONTROL	PIPE TWA		-10	111	119	117	116	55	55	55	55	FLZ	2/3		
	AE-134D	CJ927 12803-M	MILL CONTROL	PIPE TWA		-10	105	99	150	118	45	40	50	45	FLZ	2/3		
	AE-134D	CK161 15342-L	LOT QUALIFIER	PIPE TWA		-10	268	185	220	224	100	100	100	100	FLZ	2/3		
	AE-134D	CK162 15359-L	LOT QUALIFIER	PIPE TPA		-10	156	158	158	157	100	100	100	100	90	2/3		
	AE-134D	CK162 15359-L	LOT QUALIFIER	PIPE TWA		-10	135	125	122	127	80	70	70	73	FLZ	2/3		
EVRAZ Regina - 528541	AE-134D	CJ899 12378-T	MILL CONTROL	PIPE TPA		-10	152	160	170	161	100	100	100	100	90	2/3		
	AE-134D	CJ899 12378-T	MILL CONTROL	PIPE TWA		-10	117	140	122	126	60	95	85	80	FLZ	2/3		
	AE-134D	CJ902 12425-K	MILL CONTROL	PIPE TWA		-10	91	93	115	100	30	35	65	43	FLZ	2/3		
EVRAZ Regina - 528542	AE-134D	CJ934 12908-J	MILL CONTROL	PIPE TPA		-10	115	122	116	118	100	100	100	100	90	2/3		
	AE-134D	CJ934 12908-J	MILL CONTROL	PIPE TWA		-10	95	44	84	74	15	10	15	13	FLZ	2/3		



<div></div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59			
														Certificate ID: 187579-1			
														Customer PO: APPL 45709			
														Mill Order No: WA 054675-01			
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2								Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements				
Supplier - Heat	Product ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat		
					#1	#2	#3	Avg	#1	#2	#3	Avg					
EVRAZ Regina - 528543	AE-134D	CJ935 12923-T	MILL CONTROL	PIPE TWA	-10	61	25	28	38	10	10	10	10	FLZ	2/3		
	AE-134D	CJ751 10202-L	MILL CONTROL	PIPE TPA	-10	170	181	170	174	100	100	100	100	90	2/3		
	AE-134D	CJ751 10202-L	MILL CONTROL	PIPE TWA	-10	88	87	63	79	70	70	65	68	FLZ	2/3		
	AE-134D	CJ752 10217-J	MILL CONTROL	PIPE TWA	-10	40	25	50	38	10	10	15	12	FLZ	2/3		
EVRAZ Regina - 528544	AE-134D	CJ905 12469-T	MILL CONTROL	PIPE TPA	-10	134	132	132	133	100	100	100	100	90	2/3		
	AE-134D	CJ905 12469-T	MILL CONTROL	PIPE TWA	-10	85	87	83	85	35	35	30	33	FLZ	2/3		
	AE-134D	CJ906 12484-F	MILL CONTROL	PIPE TWA	-10	93	137	117	116	35	40	40	38	FLZ	2/3		
	AE-134D	CJ911 12561-N	LOT QUALIFIER	PIPE TWA	-10	54	53	52	53	25	25	25	25	FLZ	2/3		
	AE-134D	CJ912 12576-T	LOT QUALIFIER	PIPE TPA	-10	138	165	142	148	100	100	100	100	90	2/3		
	AE-134D	CJ912 12576-T	LOT QUALIFIER	PIPE TWA	-10	107	112	86	102	45	40	35	40	FLZ	2/3		
	AE-134D	CJ851 11687-S	MILL CONTROL	PIPE TPA	-10	164	167	172	168	100	100	100	100	90	2/3		
EVRAZ Regina - 528545	AE-134D	CJ851 11687-S	MILL CONTROL	PIPE TWA	-10	87	119	108	105	25	30	25	27	FLZ	2/3		
	AE-134D	CJ852 11699-V	MILL CONTROL	PIPE TWA	-10	142	125	120	129	60	50	45	52	FLZ	2/3		
	AE-134D	CK245 16597-L	MILL CONTROL	PIPE TPA	-10	140	142	135	139	100	100	100	100	90	2/3		
EVRAZ Regina - 528592	AE-134D	CK245 16597-L	MILL CONTROL	PIPE TWA	-10	145	150	158	151	100	100	100	100	FLZ	2/3		
	AE-134D	CK246 16612-N	MILL CONTROL	PIPE TWA	-10	149	190	119	153	100	100	100	100	FLZ	2/3		
	AE-134D	CJ921 12711-L	MILL CONTROL	PIPE TPA	-10	190	196	173	186	100	100	100	100	90	2/3		
EVRAZ Regina - 528593	AE-134D	CJ921 12711-L	MILL CONTROL	PIPE TWA	-10	119	118	99	112	50	50	45	48	FLZ	2/3		
	AE-134D	CJ922 12734-J	MILL CONTROL	PIPE TWA	-10	110	141	135	129	50	65	65	60	FLZ	2/3		
	AE-134D	CK317 17642-J	MILL CONTROL	PIPE TPA	-10	148	146	180	158	100	100	100	100	90	2/3		
EVRAZ Regina - 528594	AE-134D	CK317 17642-J	MILL CONTROL	PIPE TWA	-10	102	112	121	112	60	60	60	60	FLZ	2/3		
	AE-134D	CK345 18060-T	MILL CONTROL	PIPE TWA	-10	133	163	105	134	80	85	60	75	FLZ	2/3		
	AE-134D	CK051 13722-F	MILL CONTROL	PIPE TPA	-10	275	278	279	277	100	100	100	100	90	2/3		
EVRAZ Regina - 528595	AE-134D	CK051 13722-F	MILL CONTROL	PIPE TWA	-10	120	155	131	135	75	100	80	85	FLZ	2/3		
	AE-134D	CK052 13736-M	MILL CONTROL	PIPE TWA	-10	99	158	144	134	65	100	100	88	FLZ	2/3		
	AE-134D	CK169 15463-J	LOT QUALIFIER	PIPE TWA	-10	109	124	107	113	80	80	80	80	FLZ	2/3		
	AE-134D	CK170 15480-S	LOT QUALIFIER	PIPE TPA	-10	230	248	200	226	100	100	100	100	90	2/3		
	AE-134D	CK170 15480-S	LOT QUALIFIER	PIPE TWA	-10	120	128	115	121	80	95	75	83	FLZ	2/3		
	AE-134D	CK269 16957-T	MILL CONTROL	PIPE TPA	-10	149	145	140	145	100	100	100	100	90	2/3		
	AE-134D	CK269 16957-T	MILL CONTROL	PIPE TWA	-10	130	142	110	127	90	100	80	90	FLZ	2/3		
EVRAZ Regina - 528597	AE-134D	CK270 16972-F	MILL CONTROL	PIPE TWA	-10	130	105	111	115	100	85	95	93	FLZ	2/3		
	AE-134D	CK101 14466-J	MILL CONTROL	PIPE TPA	-10	162	135	148	148	100	100	100	100	90	2/3		
	AE-134D	CK101 14466-J	MILL CONTROL	PIPE TWA	-10	108	101	117	109	40	35	40	38	FLZ	2/3		
EVRAZ Regina - 528632	AE-134D	CK102 14477-L	MILL CONTROL	PIPE TWA	-10	128	83	123	111	50	45	50	48	FLZ	2/3		
	AE-134D	CK125 14805-J	MILL CONTROL	PIPE TPA	-10	150	150	158	153	100	100	100	100	90	2/3		
	AE-134D	CK125 14805-J	MILL CONTROL	PIPE TWA	-10	124	118	106	116	80	90	90	87	FLZ	2/3		
EVRAZ Regina - 528633	AE-134D	CK126 14820-T	MILL CONTROL	PIPE TWA	-10	124	47	110	94	95	35	85	72	FLZ	2/3		
	AE-134D	CK130 14880-N	LOT QUALIFIER	PIPE TPA	-10	194	230	160	195	100	100	100	100	90	2/3		
	AE-134D	CK130 14880-N	LOT QUALIFIER	PIPE TWA	-10	134	122	116	124	95	90	90	92	FLZ	2/3		
	AE-134D	CK131 14894-F	LOT QUALIFIER	PIPE TWA	-10	108	130	115	118	85	100	90	92	FLZ	2/3		
	AE-134D	CK133 14924-M	MILL CONTROL	PIPE TPA	-10	136	128	140	135	100	100	100	100	90	2/3		
	AE-134D	CK133 14924-M	MILL CONTROL	PIPE TWA	-10	93	126	126	115	75	95	85	85	FLZ	2/3		
	AE-134D	CK134 14938-J	MILL CONTROL	PIPE TWA	-10	132	142	140	138	90	95	90	92	FLZ	2/3		
EVRAZ Regina - 528634	AE-134D	CK045 13632-T	MILL CONTROL	PIPE TPA	-10	140	131	142	138	100	100	100	100	90	2/3		
	AE-134D	CK045 13632-T	MILL CONTROL	PIPE TWA	-10	68	103	115	95	25	55	60	47	FLZ	2/3		
	AE-134D	CK046 13648-H	MILL CONTROL	PIPE TWA	-10	183	117	118	139	100	90	90	93	FLZ	2/3		
EVRAZ Regina - 528635	AE-134D	CK065 13931-S	MILL CONTROL	PIPE TPA	-10	230	173	179	194	100	100	100	100	90	2/3		
	AE-134D	CK065 13931-S	MILL CONTROL	PIPE TWA	-10	121	113	115	116	90	90	90	90	FLZ	2/3		
	AE-134D	CK066 13946-F	MILL CONTROL	PIPE TWA	-10	115	87	90	97	90	85	85	87	FLZ	2/3		
	AE-134D	CK603 21908-T	LOT QUALIFIER	PIPE TPA	-10	246	250	229	242	100	100	100	100	90	2/3		
	AE-134D	CK603 21908-T	LOT QUALIFIER	PIPE TWA	-10	153	157	153	154	45	45	45	45	FLZ	2/3		
	AE-134D	CK603 21915-F	LOT QUALIFIER	PIPE TWA	-10	69	132	111	104	15	40	35	30	FLZ	2/3		
	AE-134D	CK183 15673-M	MILL CONTROL	PIPE TPA	-10	130	140	142	137	100	100	100	100	90	2/3		
EVRAZ Regina - 528636	AE-134D	CK183 15673-M	MILL CONTROL	PIPE TWA	-10	128	110	123	120	95	90	90	92	FLZ	2/3		
	AE-134D	CK184 15688-S	MILL CONTROL	PIPE TWA	-10	88	158	117	121	50	95	80	75	FLZ	2/3		

<div></div> <div>Camrose ERW</div> <div><div>EVRAZ Camrose</div><div>CERTIFICATE OF TESTING</div><div>Charpy</div></div>														Friday, April 20, 2018, 12:35:59					
														Certificate ID: 187579-1					
														Customer PO: APPL 45709					
														Mill Order No: WA 054675-01					
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2														
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements														
Supplier - Heat			Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
								#1	#2	#3	Avg	#1	#2	#3	Avg				
EVRAZ Regina - 528637			AE-134D CK249 16659-F		MILL CONTROL	PIPE TPA	-10	255	272	221	249	100	100	100	100	90	2/3		
			AE-134D CK249 16659-F		MILL CONTROL	PIPE TWA	-10	149	125	115	130	100	100	90	97	FLZ	2/3		
			AE-134D CK250 16672-V		MILL CONTROL	PIPE TWA	-10	159	139	142	147	95	95	100	97	FLZ	2/3		
EVRAZ Regina - 528638			AE-134D CK139 15013-V		MILL CONTROL	PIPE TPA	-10	250	246	266	254	100	100	100	100	90	2/3		
			AE-134D CK139 15013-V		MILL CONTROL	PIPE TWA	-10	228	254	130	204	100	100	80	93	FLZ	2/3		
			AE-134D CK140 15030-K		MILL CONTROL	PIPE TWA	-10	172	160	132	155	100	100	80	93	FLZ	2/3		
EVRAZ Regina - 528639			AE-134D CK275 17046-F		MILL CONTROL	PIPE TPA	-10	187	158	199	181	100	100	100	100	90	2/3		
			AE-134D CK275 17046-F		MILL CONTROL	PIPE TWA	-10	128	118	120	122	90	90	85	88	FLZ	2/3		
			AE-134D CK276 17058-L		MILL CONTROL	PIPE TWA	-10	130	91	149	123	90	80	100	90	FLZ	2/3		
EVRAZ Regina - 528679			AE-134D CK338 17955-T		MILL CONTROL	PIPE TPA	-10	156	158	149	154	100	100	100	100	90	2/3		
			AE-134D CK338 17955-T		MILL CONTROL	PIPE TWA	-10	87	145	117	116	60	100	75	78	FLZ	2/3		
			AE-134D CK339 17970-F		MILL CONTROL	PIPE TWA	-10	63	105	87	85	25	40	25	30	FLZ	2/3		
EVRAZ Regina - 528680			AE-134D CK223 16266-L		MILL CONTROL	PIPE TPA	-10	129	138	129	132	100	100	100	100	90	2/3		
			AE-134D CK223 16266-L		MILL CONTROL	PIPE TWA	-10	103	40	42	62	100	30	30	53	FLZ	2/3		
			AE-134D CK224 16281-N		MILL CONTROL	PIPE TWA	-10	77	115	83	92	50	100	50	67	FLZ	2/3		
			AE-134D CK228 16341-M		LOT QUALIFIER	PIPE TPA	-10	130	144	120	131	100	100	100	100	90	2/3		
			AE-134D CK228 16341-M		LOT QUALIFIER	PIPE TWA	-10	145	189	142	159	90	100	85	92	FLZ	2/3		
			AE-134D CK230 16371-S		LOT QUALIFIER	PIPE TWA	-10	27	28	40	32	5	10	15	10	FLZ	2/3		
EVRAZ Regina - 528681			AE-134D CK285 17166-M		MILL CONTROL	PIPE TPA	-10	141	139	159	146	100	100	100	100	90	2/3		
			AE-134D CK285 17166-M		MILL CONTROL	PIPE TWA	-10	40	42	42	41	15	15	15	15	FLZ	2/3		
			AE-134D CK286 17181-L		MILL CONTROL	PIPE TWA	-10	122	129	75	109	95	95	60	83	FLZ	2/3		
			AE-134D CK291 17253-J		LOT QUALIFIER	PIPE TWA	-10	108	130	145	128	40	90	100	77	FLZ	2/3		
			AE-134D CK455 19698-S		LOT QUALIFIER	PIPE TPA	-10	168	148	141	152	100	100	100	100	90	2/3		
			AE-134D CK455 19698-S		LOT QUALIFIER	PIPE TWA	-10	64	90	57	70	35	45	35	38	FLZ	2/3		
EVRAZ Regina - 528682			AE-134D CK301 17405-L		MILL CONTROL	PIPE TPA	-10	155	139	149	148	100	100	100	100	90	2/3		
			AE-134D CK301 17405-L		MILL CONTROL	PIPE TWA	-10	100	125	112	112	75	95	80	83	FLZ	2/3		
			AE-134D CK302 17419-T		MILL CONTROL	PIPE TWA	-10	159	125	165	150	100	100	100	100	FLZ	2/3		
			AE-136A CK869 23613-N		MILL CONTROL	PIPE TPA	-10	149	169	150	156	100	100	100	100	90	2/3		
			AE-136A CK869 23613-N		MILL CONTROL	PIPE TWA	-10	127	122	105	118	90	65	65	73	FLZ	2/3		
			AE-136A CK869 23620-M		MILL CONTROL	PIPE TWA	-10	153	167	153	158	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528683			AE-134D CK189 15762-N		MILL CONTROL	PIPE TPA	-10	266	234	166	222	100	100	100	100	90	2/3		
			AE-134D CK189 15762-N		MILL CONTROL	PIPE TWA	-10	136	182	120	146	95	100	95	97	FLZ	2/3		
			AE-134D CK190 15777-T		MILL CONTROL	PIPE TWA	-10	136	156	144	145	95	95	95	95	FLZ	2/3		
EVRAZ Regina - 528725			AE-134D CK297 17345-J		MILL CONTROL	PIPE TPA	-10	202	138	141	160	100	100	100	100	90	2/3		
			AE-134D CK297 17345-J		MILL CONTROL	PIPE TWA	-10	161	155	208	175	100	100	100	100	FLZ	2/3		
			AE-134D CK298 17360-J		MILL CONTROL	PIPE TWA	-10	171	149	125	148	100	100	90	97	FLZ	2/3		
EVRAZ Regina - 528726			AE-134D CK195 15852-S		MILL CONTROL	PIPE TPA	-10	240	160	260	220	100	100	100	100	90	2/3		
			AE-134D CK195 15852-S		MILL CONTROL	PIPE TWA	-10	182	242	206	210	100	100	100	100	FLZ	2/3		
			AE-134D CK197 15882-H		MILL CONTROL	PIPE TWA	-10	184	162	188	178	100	100	100	100	FLZ	2/3		
			AE-134D CK200 15923-K		LOT QUALIFIER	PIPE TWA	-10	175	159	177	170	80	70	80	77	FLZ	2/3		
			AE-134D CK335 17910-V		LOT QUALIFIER	PIPE TPA	-10	165	143	171	160	100	100	100	100	90	2/3		
			AE-134D CK335 17910-V		LOT QUALIFIER	PIPE TWA	-10	176	154	181	170	90	85	90	88	FLZ	2/3		
EVRAZ Regina - 528727			AE-134D CK340 17985-V		MILL CONTROL	PIPE TPA	-10	272	268	271	270	100	100	100	100	90	2/3		
			AE-134D CK340 17985-V		MILL CONTROL	PIPE TWA	-10	263	164	165	197	100	100	100	100	FLZ	2/3		
			AE-134D CK341 18000-K		MILL CONTROL	PIPE TWA	-10	257	84	112	151	100	35	40	58	FLZ	2/3		
			AE-134D CK370 18430-K		LOT QUALIFIER	PIPE TPA	-10	239	252	219	237	100	100	100	100	90	2/3		
			AE-134D CK370 18430-K		LOT QUALIFIER	PIPE TWA	-10	175	120	158	151	100	95	90	95	FLZ	2/3		
			AE-134D CK371 18445-L		LOT QUALIFIER	PIPE TWA	-10	158	128	167	151	95	95	100	97	FLZ	2/3		
EVRAZ Regina - 528728			AE-134D CK255 16749-K		MILL CONTROL	PIPE TPA	-10	198	171	173	181	100	100	100	100	90	2/3		
			AE-134D CK255 16749-K		MILL CONTROL	PIPE TWA	-10	105	102	115	107	80	80	80	80	FLZ	2/3		
			AE-134D CK256 16764-K		MILL CONTROL	PIPE TWA	-10	98	119	138	118	80	80	100	87	FLZ	2/3		
			AE-134D CK260 16823-H		LOT QUALIFIER	PIPE TPA	-10	149	145	210	168	100	100	100	100	90	2/3		
			AE-134D CK260 16823-H		LOT QUALIFIER	PIPE TWA	-10	89	140	132	120	60	100	95	85	FLZ	2/3		
			AE-134D CK261 16840-F		LOT QUALIFIER	PIPE TWA	-10	111	145	125	127	90	100	95	95	FLZ	2/3		
EVRAZ Regina - 528729			AE-134D CK281 17116-L		MILL CONTROL	PIPE TPA	-10	188	160	171	173	100	100	100	100	90	2/3		


EVRAZ Camrose CERTIFICATE OF TESTING Charpy														Friday, April 20, 2018, 12:35:59				
Camrose ERW Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2									Certificate ID: 187579-1				
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements									Customer PO: APPL 45709				
					Mill Order No: WA 054675-01													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
		AE-134D	CK281 17116-L	MILL CONTROL	PIPE TWA	-10	85	64	70	73	50	45	45	47	FLZ	2/3		
		AE-134D	CK282 17131-N	MILL CONTROL	PIPE TWA	-10	49	80	65	65	20	35	30	28	FLZ	2/3		
EVRAZ Regina - 528768	AE-134D	CK487 20172-F	MILL CONTROL	PIPE TPA		-10	159	236	161	185	100	100	100	100	90	2/3		
	AE-134D	CK487 20172-F	MILL CONTROL	PIPE TWA		-10	181	195	208	195	100	100	100	100	FLZ	2/3		
	AE-134D	CK488 20186-M	MILL CONTROL	PIPE TWA		-10	120	156	151	142	90	100	100	97	FLZ	2/3		
	AE-134D	CK531 20826-F	LOT QUALIFIER	PIPE TWA		-10	107	112	113	111	75	75	75	75	FLZ	2/3		
	AE-134D	CK532 20841-H	LOT QUALIFIER	PIPE TPA		-10	168	175	168	170	100	100	100	100	90	2/3		
	AE-134D	CK532 20841-H	LOT QUALIFIER	PIPE TWA		-10	122	122	62	102	80	80	35	65	FLZ	2/3		
EVRAZ Regina - 528769	AE-134D	CK586 21653-N	MILL CONTROL	PIPE TPA		-10	158	155	138	150	100	100	100	100	90	2/3		
	AE-134D	CK586 21653-N	MILL CONTROL	PIPE TWA		-10	159	116	105	127	95	40	40	58	FLZ	2/3		
	AE-134D	CK587 21668-T	MILL CONTROL	PIPE TWA		-10	235	227	188	217	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528772	AE-134D	CK404 18938-T	MILL CONTROL	PIPE TPA		-10	157	157	239	184	100	100	100	100	90	2/3		
	AE-134D	CK404 18938-T	MILL CONTROL	PIPE TWA		-10	155	178	138	157	95	100	95	97	FLZ	2/3		
	AE-134D	CK405 18953-T	MILL CONTROL	PIPE TWA		-10	140	110	111	120	95	80	80	85	FLZ	2/3		
	AE-134D	CK409 19015-V	LOT QUALIFIER	PIPE TWA		-10	145	125	173	148	100	100	100	100	FLZ	2/3		
	AE-134D	CK410 19027-T	LOT QUALIFIER	PIPE TPA		-10	159	277	267	234	100	100	100	100	90	2/3		
	AE-134D	CK410 19027-T	LOT QUALIFIER	PIPE TWA		-10	209	160	208	192	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528773	AE-134D	CK394 18790-N	MILL CONTROL	PIPE TPA		-10	165	145	165	158	100	100	100	100	90	2/3		
	AE-134D	CK394 18790-N	MILL CONTROL	PIPE TWA		-10	87	95	93	92	30	35	35	33	FLZ	2/3		
	AE-134D	CK395 18805-T	MILL CONTROL	PIPE TWA		-10	105	101	115	107	60	60	60	60	FLZ	2/3		
	AE-134D	CK571 21429-T	LOT QUALIFIER	PIPE TWA		-10	89	74	92	85	15	15	20	17	FLZ	2/3		
	AE-134D	CK572 21444-F	LOT QUALIFIER	PIPE TPA		-10	149	181	189	173	100	100	100	100	90	2/3		
	AE-134D	CK572 21444-F	LOT QUALIFIER	PIPE TWA		-10	121	103	110	111	30	25	30	28	FLZ	2/3		
EVRAZ Regina - 528807	AE-134D	CK503 20410-K	MILL CONTROL	PIPE TPA		-10	255	179	167	200	100	100	100	100	90	2/3		
	AE-134D	CK503 20410-K	MILL CONTROL	PIPE TWA		-10	60	59	48	56	15	15	15	15	FLZ	2/3		
	AE-134D	CK504 20428-K	MILL CONTROL	PIPE TWA		-10	205	101	96	134	100	85	70	85	FLZ	2/3		
EVRAZ Regina - 528808	AE-134D	CK427 19282-T	MILL CONTROL	PIPE TPA		-10	150	145	173	156	100	100	100	100	90	2/3		
	AE-134D	CK427 19282-T	MILL CONTROL	PIPE TWA		-10	87	120	105	104	40	80	70	63	FLZ	2/3		
	AE-134D	CK428 19297-K	MILL CONTROL	PIPE TWA		-10	119	128	53	100	80	95	30	68	FLZ	2/3		
	AE-134D	CK430 19328-L	LOT QUALIFIER	PIPE TWA		-10	115	110	170	132	75	75	100	83	FLZ	2/3		
	AE-134D	CK440 19477-M	LOT QUALIFIER	PIPE TPA		-10	117	135	130	127	100	100	100	100	90	2/3		
	AE-134D	CK440 19477-M	LOT QUALIFIER	PIPE TWA		-10	60	103	116	93	40	50	90	60	FLZ	2/3		
EVRAZ Regina - 528809	AE-134D	CK389 18715-J	MILL CONTROL	PIPE TPA		-10	227	209	211	216	100	100	100	100	90	2/3		
	AE-134D	CK389 18715-J	MILL CONTROL	PIPE TWA		-10	138	115	103	119	100	85	80	88	FLZ	2/3		
	AE-134D	CK390 18730-T	MILL CONTROL	PIPE TWA		-10	119	173	115	136	80	100	70	83	FLZ	2/3		
	AE-134D	CK480 20066-T	LOT QUALIFIER	PIPE TPA		-10	170	160	156	162	100	100	100	100	90	2/3		
	AE-134D	CK480 20066-T	LOT QUALIFIER	PIPE TWA		-10	92	103	80	92	50	50	50	50	FLZ	2/3		
	AE-134D	CK481 20081-F	LOT QUALIFIER	PIPE TWA		-10	122	108	135	122	95	50	75	73	FLZ	2/3		
EVRAZ Regina - 528810	AE-134D	CK399 18864-S	MILL CONTROL	PIPE TPA		-10	251	180	162	198	100	100	100	100	90	2/3		
	AE-134D	CK399 18864-S	MILL CONTROL	PIPE TWA		-10	125	125	139	130	90	90	100	93	FLZ	2/3		
	AE-134D	CK400 18879-F	MILL CONTROL	PIPE TWA		-10	205	182	148	178	100	100	95	98	FLZ	2/3		
EVRAZ Regina - 528811	AE-134D	CK412 19057-K	MILL CONTROL	PIPE TPA		-10	185	228	165	193	100	100	100	100	90	2/3		
	AE-134D	CK412 19057-K	MILL CONTROL	PIPE TWA		-10	45	97	43	62	20	40	20	27	FLZ	2/3		
	AE-134D	CK413 19073-K	MILL CONTROL	PIPE TWA		-10	120	142	155	139	95	100	100	98	FLZ	2/3		
EVRAZ Regina - 528812	AE-134D	CK432 19357-T	MILL CONTROL	PIPE TPA		-10	250	235	179	221	100	100	100	100	90	2/3		
	AE-134D	CK432 19357-T	MILL CONTROL	PIPE TWA		-10	145	140	140	142	100	100	100	100	FLZ	2/3		
	AE-134D	CK433 19372-F	MILL CONTROL	PIPE TWA		-10	105	119	145	123	60	60	100	73	FLZ	2/3		
	AE-134D	CK436 19423-T	LOT QUALIFIER	PIPE TPA		-10	162	245	144	184	100	100	100	100	90	2/3		
	AE-134D	CK436 19423-T	LOT QUALIFIER	PIPE TWA		-10	145	108	65	106	100	60	30	63	FLZ	2/3		
	AE-134D	CK438 19454-H	LOT QUALIFIER	PIPE TWA		-10	155	140	165	153	100	100	100	100	FLZ	2/3		
EVRAZ Regina - 528853	AE-134D	CK592 21743-J	MILL CONTROL	PIPE TPA		-10	146	149	156	150	100	100	100	100	90	2/3		
	AE-134D	CK592 21743-J	MILL CONTROL	PIPE TWA		-10	96	118	108	107	50	90	55	65	FLZ	2/3		
	AE-134D	CK593 21758-F	MILL CONTROL	PIPE TWA		-10	135	125	120	127	100	55	50	68	FLZ	2/3		
	AE-136A	CK870 23628-F	MILL CONTROL	PIPE TPA		-10	172	158	147	159	100	100	100	100	90	2/3		
	AE-136A	CK870 23628-F	MILL CONTROL	PIPE TWA		-10	155	75	98	109	100	45	60	68	FLZ	2/3		


<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59							
														Certificate ID: 187579-1							
														Customer PO: APPL 45709							
														Mill Order No: WA 054675-01							
Customer: ALBERTA PRODUCTS PIPE LINE LTD.						Diameter: 323.9 mm				Wall Thickness: 9.500 mm				Grade: GR.414-2							
						Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat				
							#1	#2	#3	Avg	#1	#2	#3	Avg							
EVRAZ Regina - 528854		AE-136A	CK870 23636-F	MILL CONTROL	PIPE TWA	-10	83	107	104	98	80	90	90	87	FLZ	2/3					
		AE-134D	CK562 21291-M	MILL CONTROL	PIPE TPA	-10	185	168	173	175	100	100	100	100	90	2/3					
		AE-134D	CK562 21291-M	MILL CONTROL	PIPE TWA	-10	132	99	91	107	85	50	50	62	FLZ	2/3					
		AE-134D	CK563 21302-H	MILL CONTROL	PIPE TWA	-10	85	98	120	101	50	50	55	52	FLZ	2/3					
		AE-136A	CK809 22731-J	MILL CONTROL	PIPE TPA	-10	230	152	147	176	100	100	100	100	90	2/3					
		AE-136A	CK809 22731-J	MILL CONTROL	PIPE TWA	-10	120	89	99	103	60	50	50	53	FLZ	2/3					
EVRAZ Regina - 528855		AE-136A	CK810 22746-K	MILL CONTROL	PIPE TWA	-10	38	70	69	59	30	40	40	37	FLZ	2/3					
		AE-134D	CK606 21954-K	MILL CONTROL	PIPE TPA	-10	134	133	152	140	100	100	100	100	90	2/3					
		AE-134D	CK606 21954-K	MILL CONTROL	PIPE TWA	-10	95	102	161	119	25	40	45	37	FLZ	2/3					
EVRAZ Regina - 528864		AE-134D	CK607 21969-L	MILL CONTROL	PIPE TWA	-10	87	109	88	95	45	55	45	48	FLZ	2/3					
		AE-134D	CK522 20691-K	MILL CONTROL	PIPE TPA	-10	196	200	219	205	100	100	100	100	90	2/3					
		AE-134D	CK522 20691-K	MILL CONTROL	PIPE TWA	-10	109	83	76	89	60	55	55	57	FLZ	2/3					
		AE-134D	CK523 20706-L	MILL CONTROL	PIPE TWA	-10	88	68	98	85	50	45	50	48	FLZ	2/3					
		AE-134D	CK527 20767-H	LOT QUALIFIER	PIPE TWA	-10	101	101	129	110	70	70	80	73	FLZ	2/3					
		AE-134D	CK559 21241-L	LOT QUALIFIER	PIPE TPA	-10	174	154	157	162	100	100	100	100	90	2/3					
EVRAZ Regina - 528865		AE-134D	CK559 21241-L	LOT QUALIFIER	PIPE TWA	-10	154	163	153	157	70	85	75	77	FLZ	2/3					
		AE-134D	CK458 19741-M	MILL CONTROL	PIPE TPA	-10	160	184	185	176	100	100	100	100	90	2/3					
		AE-134D	CK458 19741-M	MILL CONTROL	PIPE TWA	-10	111	87	105	101	70	50	70	63	FLZ	2/3					
		AE-134D	CK479 20051-N	MILL CONTROL	PIPE TWA	-10	58	67	105	77	30	30	60	40	FLZ	2/3					
		AE-136A	CK902 24098-K	MILL CONTROL	PIPE TPA	-10	175	165	179	173	100	100	100	100	90	2/3					
		AE-136A	CK902 24098-K	MILL CONTROL	PIPE TWA	-10	77	98	100	92	60	65	65	63	FLZ	2/3					
EVRAZ Regina - 528866		AE-136A	CK903 24113-F	MILL CONTROL	PIPE TWA	-10	61	93	117	90	60	90	85	78	FLZ	2/3					
		AE-134D	CK581 21579-S	MILL CONTROL	PIPE TPA	-10	135	151	204	163	100	100	100	100	90	2/3					
		AE-134D	CK581 21579-S	MILL CONTROL	PIPE TWA	-10	135	125	149	136	100	100	100	100	FLZ	2/3					
		AE-134D	CK582 21594-J	MILL CONTROL	PIPE TWA	-10	71	112	82	88	40	45	40	42	FLZ	2/3					
		AE-136A	CK904 24128-L	MILL CONTROL	PIPE TPA	-10	159	157	150	155	100	100	100	100	90	2/3					
		AE-136A	CK904 24128-L	MILL CONTROL	PIPE TWA	-10	83	75	91	83	65	65	65	65	FLZ	2/3					
EVRAZ Regina - 528867		AE-136A	CK905 24145-S	MILL CONTROL	PIPE TWA	-10	50	65	102	72	50	50	60	53	FLZ	2/3					
		AE-134D	CK599 21848-K	MILL CONTROL	PIPE TPA	-10	254	253	256	254	100	100	100	100	90	2/3					
		AE-134D	CK599 21848-K	MILL CONTROL	PIPE TWA	-10	126	111	113	117	40	35	35	37	FLZ	2/3					
		AE-134D	CK600 21863-K	MILL CONTROL	PIPE TWA	-10	163	232	100	165	70	100	35	68	FLZ	2/3					
		AE-136A	CL111 27136-J	MILL CONTROL	PIPE TPA	-10	211	237	268	239	100	100	100	100	90	2/3					
		AE-136A	CL111 27136-J	MILL CONTROL	PIPE TWA	-10	93	104	89	95	30	30	30	30	FLZ	2/3					
EVRAZ Regina - 528868		AE-136A	CL112 27151-J	MILL CONTROL	PIPE TWA	-10	95	74	51	73	45	40	20	35	FLZ	2/3					
		AE-134D	CK548 21080-T	MILL CONTROL	PIPE TPA	-10	251	260	242	251	100	100	100	100	90	2/3					
		AE-134D	CK548 21080-T	MILL CONTROL	PIPE TWA	-10	129	219	122	157	95	100	90	95	FLZ	2/3					
		AE-134D	CK549 21095-K	MILL CONTROL	PIPE TWA	-10	103	122	138	121	60	95	80	78	FLZ	2/3					
		AE-134D	CK579 21549-M	LOT QUALIFIER	PIPE TPA	-10	151	160	240	184	100	100	100	100	90	2/3					
		AE-134D	CK579 21549-M	LOT QUALIFIER	PIPE TWA	-10	140	154	138	144	100	100	100	100	FLZ	2/3					
EVRAZ Regina - 528885		AE-134D	CK580 21561-S	LOT QUALIFIER	PIPE TWA	-10	136	179	177	164	90	100	100	97	FLZ	2/3					
		AE-136A	CL014 25691-N	MILL CONTROL	PIPE TPA	-10	230	246	273	250	100	100	100	100	90	2/3					
		AE-136A	CL014 25691-N	MILL CONTROL	PIPE TWA	-10	60	114	104	93	40	50	40	43	FLZ	2/3					
		AE-136A	CL015 25706-F	MILL CONTROL	PIPE TWA	-10	97	92	159	116	45	45	70	53	FLZ	2/3					
		AE-136A	CL020 25783-J	LOT QUALIFIER	PIPE TWA	-10	89	125	128	114	45	80	80	68	FLZ	2/3					
		AE-136A	CL021 25796-T	LOT QUALIFIER	PIPE TPA	-10	266	275	268	270	100	100	100	100	90	2/3					
EVRAZ Regina - 528886		AE-136A	CL021 25796-T	LOT QUALIFIER	PIPE TWA	-10	185	161	125	157	100	100	100	100	FLZ	2/3					
		AE-136A	CK984 25268-F	MILL CONTROL	PIPE TPA	-10	164	215	168	182	100	100	100	100	90	2/3					
		AE-136A	CK984 25268-F	MILL CONTROL	PIPE TWA	-10	110	79	135	108	40	40	50	43	FLZ	2/3					
EVRAZ Regina - 528887		AE-136A	CK985 25283-T	MILL CONTROL	PIPE TWA	-10	119	120	120	120	70	70	70	70	FLZ	2/3					
		AE-136A	CK829 23021-L	MILL CONTROL	PIPE TPA	-10	257	262	235	251	100	100	100	100	90	2/3					
		AE-136A	CK829 23021-L	MILL CONTROL	PIPE TWA	-10	118	86	113	106	80	50	80	70	FLZ	2/3					
		AE-136A	CK830 23035-N	MILL CONTROL	PIPE TWA	-10	129	122	115	122	75	75	75	75	FLZ	2/3					
		AE-136A	CK882 23812-J	LOT QUALIFIER	PIPE TPA	-10	137	152	129	139	100	100	100	100	90	2/3					
		AE-136A	CK882 23812-J	LOT QUALIFIER	PIPE TWA	-10	95	128	107	110	60	100	85	82	FLZ	2/3					
		AE-136A	CK882 23815-L	LOT QUALIFIER	PIPE TWA	-10	54	68	69	64	100	85	85	90	FLZ	2/3					


<div></div> <div>Camrose ERW</div> <div>EVRAZ Camrose</div> <div>CERTIFICATE OF TESTING</div> <div>Charpy</div>														Friday, April 20, 2018, 12:35:59				
														Certificate ID: 187579-1				
														Customer PO: APPL 45709				
														Mill Order No: WA 054675-01				
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2													
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements													
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat	
							#1	#2	#3	Avg	#1	#2	#3	Avg				
EVRAZ Regina - 528888		AE-136A	CK811 22760-F	MILL CONTROL	PIPE TPA	-10	259	261	269	263	100	100	100	100	90	2/3		
		AE-136A	CK811 22760-F	MILL CONTROL	PIPE TWA	-10	240	155	173	189	100	100	100	100	FLZ	2/3		
		AE-136A	CK812 22775-L	MILL CONTROL	PIPE TWA	-10	120	110	155	128	65	100	80	82	FLZ	2/3		
EVRAZ Regina - 528915		AE-136A	CK932 24518-T	MILL CONTROL	PIPE TPA	-10	140	145	152	146	100	100	100	100	90	2/3		
		AE-136A	CK932 24518-T	MILL CONTROL	PIPE TWA	-10	115	102	97	105	90	90	85	88	FLZ	2/3		
		AE-136A	CK933 24533-S	MILL CONTROL	PIPE TWA	-10	51	48	50	50	50	50	50	50	FLZ	2/3		
EVRAZ Regina - 528916		AE-136A	CL053 26274-F	MILL CONTROL	PIPE TPA	-10	262	246	265	258	100	100	100	100	90	2/3		
		AE-136A	CL053 26274-F	MILL CONTROL	PIPE TWA	-10	130	131	110	124	100	100	100	100	FLZ	2/3		
		AE-136A	CL054 26289-L	MILL CONTROL	PIPE TWA	-10	131	72	91	98	90	55	55	67	FLZ	2/3		
		AE-136A	CL059 26363-S	LOT QUALIFIER	PIPE TWA	-10	70	34	58	54	25	15	20	20	FLZ	2/3		
		AE-136A	CL060 26377-J	LOT QUALIFIER	PIPE TPA	-10	214	271	275	253	100	100	100	100	90	2/3		
		AE-136A	CL060 26377-J	LOT QUALIFIER	PIPE TWA	-10	117	96	41	85	45	25	20	30	FLZ	2/3		
EVRAZ Regina - 528918		AE-136A	CL037 26037-M	MILL CONTROL	PIPE TPA	-10	163	161	178	167	100	100	100	100	90	2/3		
		AE-136A	CL037 26037-M	MILL CONTROL	PIPE TWA	-10	49	39	99	62	25	25	35	28	FLZ	2/3		
		AE-136A	CL038 26052-M	MILL CONTROL	PIPE TWA	-10	148	208	140	165	85	100	95	93	FLZ	2/3		
EVRAZ Regina - 528919		AE-136A	CK919 24343-S	MILL CONTROL	PIPE TPA	-10	116	125	121	121	100	100	100	100	90	2/3		
		AE-136A	CK919 24343-S	MILL CONTROL	PIPE TWA	-10	70	85	35	63	80	80	25	62	FLZ	2/3		
		AE-136A	CK920 24358-V	MILL CONTROL	PIPE TWA	-10	45	39	46	43	25	25	25	25	FLZ	2/3		
EVRAZ Regina - 528920		AE-136A	CL085 26750-L	MILL CONTROL	PIPE TPA	-10	205	195	172	191	100	100	100	100	90	2/3		
		AE-136A	CL085 26750-L	MILL CONTROL	PIPE TWA	-10	112	123	113	116	90	85	80	85	FLZ	2/3		
		AE-136A	CL086 26765-J	MILL CONTROL	PIPE TWA	-10	121	115	124	120	90	90	90	90	FLZ	2/3		
EVRAZ Regina - 528948		AE-136A	CL050 26233-F	MILL CONTROL	PIPE TPA	-10	265	263	218	249	100	100	100	100	90	2/3		
		AE-136A	CL050 26233-F	MILL CONTROL	PIPE TWA	-10	64	101	108	91	25	45	45	38	FLZ	2/3		
		AE-136A	CL051 26245-J	MILL CONTROL	PIPE TWA	-10	127	110	48	95	55	50	25	43	FLZ	2/3		
EVRAZ Regina - 528949		AE-136A	CK875 23702-K	MILL CONTROL	PIPE TPA	-10	266	187	232	228	100	100	100	100	90	2/3		
		AE-136A	CK875 23702-K	MILL CONTROL	PIPE TWA	-10	170	205	156	177	100	100	100	100	FLZ	2/3		
		AE-136A	CK876 23718-T	MILL CONTROL	PIPE TWA	-10	142	126	131	133	90	85	95	90	FLZ	2/3		
EVRAZ Regina - 528950		AE-136A	CK907 24168-V	MILL CONTROL	PIPE TPA	-10	159	137	169	155	100	100	100	100	90	2/3		
		AE-136A	CK907 24168-V	MILL CONTROL	PIPE TWA	-10	101	130	99	110	95	95	90	93	FLZ	2/3		
		AE-136A	CK908 24182-J	MILL CONTROL	PIPE TWA	-10	136	82	95	104	95	80	90	88	FLZ	2/3		
EVRAZ Regina - 528951		AE-136A	CK938 24604-J	MILL CONTROL	PIPE TPA	-10	193	190	146	176	100	100	100	100	90	2/3		
		AE-136A	CK938 24604-J	MILL CONTROL	PIPE TWA	-10	81	77	80	79	40	40	40	40	FLZ	2/3		
		AE-136A	CK939 24618-F	MILL CONTROL	PIPE TWA	-10	135	155	178	156	95	100	100	98	FLZ	2/3		
		AE-136A	CK974 25123-H	LOT QUALIFIER	PIPE TWA	-10	114	89	126	110	25	25	25	25	FLZ	2/3		
		AE-136A	CK975 25137-K	LOT QUALIFIER	PIPE TPA	-10	259	173	207	213	100	100	100	100	90	2/3		
		AE-136A	CK975 25137-K	LOT QUALIFIER	PIPE TWA	-10	91	88	82	87	55	55	50	53	FLZ	2/3		
EVRAZ Regina - 528952		AE-136A	CL009 25622-T	MILL CONTROL	PIPE TPA	-10	129	127	130	129	100	100	100	100	90	2/3		
		AE-136A	CL009 25622-T	MILL CONTROL	PIPE TWA	-10	68	85	72	75	30	30	30	30	FLZ	2/3		
		AE-136A	CL010 25636-H	MILL CONTROL	PIPE TWA	-10	105	99	113	106	45	45	45	45	FLZ	2/3		
EVRAZ Regina - 529032		AE-136A	CK928 24456-H	MILL CONTROL	PIPE TPA	-10	153	185	147	162	100	100	100	100	90	2/3		
		AE-136A	CK928 24456-H	MILL CONTROL	PIPE TWA	-10	85	91	59	78	25	25	10	20	FLZ	2/3		
		AE-136A	CK929 24470-N	MILL CONTROL	PIPE TWA	-10	102	250	81	144	30	100	25	52	FLZ	2/3		
EVRAZ Regina - 529033		AE-136A	CK795 22516-N	MILL CONTROL	PIPE TPA	-10	148	178	193	173	100	100	100	100	90	2/3		
		AE-136A	CK795 22516-N	MILL CONTROL	PIPE TWA	-10	127	141	112	127	75	80	60	72	FLZ	2/3		
		AE-136A	CK796 22526-H	MILL CONTROL	PIPE TWA	-10	166	180	198	181	60	60	65	62	FLZ	2/3		
EVRAZ Regina - 529034		AE-136A	CL119 27251-H	MILL CONTROL	PIPE TPA	-10	166	160	147	158	100	100	100	100	90	2/3		
		AE-136A	CL119 27251-H	MILL CONTROL	PIPE TWA	-10	105	107	150	121	45	45	60	50	FLZ	2/3		
		AE-136A	CL120 27268-J	MILL CONTROL	PIPE TWA	-10	89	93	94	92	30	30	30	30	FLZ	2/3		
EVRAZ Regina - 529035		AE-136A	CK857 23432-J	MILL CONTROL	PIPE TPA	-10	123	134	130	129	100	100	100	100	90	2/3		
		AE-136A	CK857 23432-J	MILL CONTROL	PIPE TWA	-10	89	72	82	81	40	35	40	38	FLZ	2/3		
		AE-136A	CK858 23447-K	MILL CONTROL	PIPE TWA	-10	124	160	102	129	75	75	70	73	FLZ	2/3		
		AE-136A	CK863 23521-M	LOT QUALIFIER	PIPE TWA	-10	146	197	167	170	60	75	70	68	FLZ	2/3		
		AE-136A	CK864 23536-T	LOT QUALIFIER	PIPE TPA	-10	164	199	195	186	100	100	100	100	90	2/3		
		AE-136A	CK864 23536-T	LOT QUALIFIER	PIPE TWA	-10	146	148	156	150	65	65	65	65	FLZ	2/3		
EVRAZ Regina - 529036		AE-136A	CK836 23124-K	MILL CONTROL	PIPE TPA	-10	136	125	128	130	100	100	100	100	90	2/3		


 Camrose ERW		EVRAZ Camrose												Friday, April 20, 2018, 12:35:59						
		CERTIFICATE OF TESTING												Certificate ID: 187579-1						
		Charpy												Customer PO: APPL 45709						
Customer: ALBERTA PRODUCTS PIPE LINE LTD.					Diameter: 323.9 mm				Wall Thickness: 9.500 mm				Grade: GR.414-2				Mill Order No: WA 054675-01			
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements															
Supplier - Heat		Product ID		Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Position	Size	Flat			
							#1	#2	#3	Avg	#1	#2	#3	Avg						
		AE-136A	CK836 23124-K	MILL CONTROL	PIPE TWA	-10	29	45	50	41	15	15	15	15	FLZ	2/3				
		AE-136A	CK837 23138-L	MILL CONTROL	PIPE TWA	-10	133	79	109	107	100	100	100	100	FLZ	2/3				
EVRAZ Regina - 529037		AE-136A	CK843 23226-J	MILL CONTROL	PIPE TPA	-10	145	132	147	141	100	100	100	100	90	2/3				
		AE-136A	CK843 23226-J	MILL CONTROL	PIPE TWA	-10	120	115	112	116	50	50	50	50	FLZ	2/3				
		AE-136A	CK844 23241-N	MILL CONTROL	PIPE TWA	-10	93	111	96	100	65	65	65	65	FLZ	2/3				
		AE-136A	CK849 23323-M	LOT QUALIFIER	PIPE TPA	-10	217	134	165	172	100	100	100	100	90	2/3				
		AE-136A	CK849 23323-M	LOT QUALIFIER	PIPE TWA	-10	133	125	147	135	75	70	75	73	FLZ	2/3				
		AE-136A	CK850 23329-S	LOT QUALIFIER	PIPE TWA	-10	110	118	105	111	45	45	40	43	FLZ	2/3				
EVRAZ Regina - 529038		AE-136A	CK851 23344-L	MILL CONTROL	PIPE TPA	-10	147	175	173	165	100	100	100	100	90	2/3				
		AE-136A	CK851 23344-L	MILL CONTROL	PIPE TWA	-10	120	114	140	125	75	75	80	77	FLZ	2/3				
		AE-136A	CK852 23359-H	MILL CONTROL	PIPE TWA	-10	136	120	111	122	65	65	60	63	FLZ	2/3				
EVRAZ Regina - 529092		AE-136A	CK969 25050-S	MILL CONTROL	PIPE TPA	-10	129	150	155	145	100	100	100	100	90	2/3				
		AE-136A	CK969 25050-S	MILL CONTROL	PIPE TWA	-10	73	79	76	76	10	15	10	12	FLZ	2/3				
		AE-136A	CK970 25064-J	MILL CONTROL	PIPE TWA	-10	145	158	139	147	100	100	100	100	FLZ	2/3				
EVRAZ Regina - 529171		AE-136A	CL145 27626-L	MILL CONTROL	PIPE TPA	-10	149	151	162	154	100	100	100	100	90	2/3				
		AE-136A	CL145 27626-L	MILL CONTROL	PIPE TWA	-10	85	80	80	82	50	50	50	50	FLZ	2/3				
		AE-136A	CL146 27638-K	MILL CONTROL	PIPE TWA	-10	103	97	91	97	60	60	50	57	FLZ	2/3				
EVRAZ Regina - 529172		AE-136A	CL137 27504-F	MILL CONTROL	PIPE TPA	-10	249	188	175	204	100	100	100	100	90	2/3				
		AE-136A	CL137 27504-F	MILL CONTROL	PIPE TWA	-10	149	131	123	134	100	80	70	83	FLZ	2/3				
		AE-136A	CL138 27519-L	MILL CONTROL	PIPE TWA	-10	129	98	125	117	70	50	70	63	FLZ	2/3				
		AE-136A	CL143 27597-M	LOT QUALIFIER	PIPE TWA	-10	110	123	97	110	80	90	50	73	FLZ	2/3				
		AE-136A	CL144 27613-M	LOT QUALIFIER	PIPE TPA	-10	159	232	202	198	100	100	100	100	90	2/3				
		AE-136A	CL144 27613-M	LOT QUALIFIER	PIPE TWA	-10	181	178	140	166	100	100	100	100	FLZ	2/3				
EVRAZ Regina - 529173		AE-136A	CL151 27711-K	MILL CONTROL	PIPE TPA	-10	272	272	240	261	100	100	100	100	90	2/3				
		AE-136A	CL151 27711-K	MILL CONTROL	PIPE TWA	-10	122	93	99	105	60	40	50	50	FLZ	2/3				
		AE-136A	CL152 27725-L	MILL CONTROL	PIPE TWA	-10	99	89	109	99	40	40	40	40	FLZ	2/3				
TPA - Transverse Pipe Axis LPA - Longitudinal Pipe Axis TWA - Transverse Weld Axis FST - Full Section Testing FBN - Full Body Normalized Q&T - Quenched and Tempered SR - Stress Relieve AQ - As Quenched FS - Full Size HAZ - Heat Affected Zone WMZ - Weld Metal Zone FLZ - Fusion Line Zone		FSE Acceptance Criteria: Body: 54 WMZ: 0 FLZ: 27 HAZ: 0												We certify that the product described above has been manufactured, sampled, inspected, and tested in accordance to the referenced specification. The product has been found to be in compliance with all requirements.   Jamie Mohler						
		23100 KPA for 10 secs																		
		Minimum Weld Seam Heat Treatment Temperature: 900 (C)																		
		High Frequency Electric Welded																		
		Deoxidization Practice: Aluminum Fully Killed																		
		UT Cal. to 1/8" Drilled Hole and/or N10 ID/OD Notches																		
		Root Guided Bend Test Acceptable																		
		FLVI - Full length Visual																		
		Melted & Manufactured in Canada																		
		Yield Strength: 0.5% EUL																		
Steelmaking and Rolling at EVRAZ Regina Steel																				


form ctr3004XL


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																			Friday, April 20, 2018, 12:35:59					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																			Certificate ID: 187579-2					
		Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2																			Customer PO: APPL 45709					
		Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																			Mill Order No: WA 054675-01					
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES			
																							PM	HAZ	WMZ	
EVRAZ Regina - 409002		AE-134D	CJ451 5809-K	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	56.8	0.0	0.0	57.8	0.0	0.0	0.0	56.9	0.0	0.0	55.7	0.0	0.0	55.8	56.9	57.8
		AE-134D	CJ451 5809-K	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.1	0.0	0.0	55.9	0.0	0.0	0.0	53.6	0.0	0.0	55.5	0.0	0.0	55.7	53.9	55.9
EVRAZ Regina - 409003		AE-134D	CJ573 7636-S	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	56.4	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	56.1	0.0	0.0	56.3	56.7	57.1
		AE-134D	CJ573 7636-S	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	53.8	0.0	0.0	54.9	0.0	0.0	0.0	53.7	0.0	0.0	55.7	0.0	0.0	56.0	53.8	54.9
EVRAZ Regina - 409004		AE-134D	CJ466 6032-T	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	55.7	0.0	0.0	57.3	0.0	0.0	0.0	56.3	0.0	0.0	54.9	0.0	0.0	55.4	56.0	57.3
		AE-134D	CJ466 6032-T	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	52.7	0.0	0.0	54.4	0.0	0.0	0.0	52.7	0.0	0.0	55.0	0.0	0.0	55.2	52.7	54.4
EVRAZ Regina - 409005		AE-134D	CJ405 5143-S	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.3	0.0	0.0	57.8	0.0	0.0	0.0	57.2	0.0	0.0	55.8	0.0	0.0	56.1	57.3	57.8
		AE-134D	CJ405 5143-S	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	53.5	0.0	0.0	54.8	0.0	0.0	0.0	53.3	0.0	0.0	55.4	0.0	0.0	55.7	53.4	54.8
EVRAZ Regina - 409006		AE-134D	CJ493 6444-H	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.2	0.0	0.0	57.7	0.0	0.0	0.0	58.3	0.0	0.0	56.4	0.0	0.0	56.3	57.8	57.7
		AE-134D	CJ493 6444-H	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	54.4	0.0	0.0	55.1	0.0	0.0	0.0	54.4	0.0	0.0	56.1	0.0	0.0	56.2	54.4	55.1
EVRAZ Regina - 409036		AE-134D	CJ397 5024-H	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	58.7	0.0	0.0	59.4	0.0	0.0	0.0	58.5	0.0	0.0	56.8	0.0	0.0	56.8	58.6	59.4
		AE-134D	CJ397 5024-H	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.8	0.0	0.0	57.1	0.0	0.0	0.0	55.1	0.0	0.0	56.6	0.0	0.0	56.6	56.0	57.1
EVRAZ Regina - 409037		AE-134D	CJ464 6003-M	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	56.8	0.0	0.0	57.5	0.0	0.0	0.0	57.0	0.0	0.0	56.5	0.0	0.0	56.2	56.9	57.5
		AE-134D	CJ464 6003-M	MILL CONTROL	Rockwell A	OK	ID	56.8	0.0	0.0	54.8	0.0	0.0	56.4	0.0	0.0	0.0	56.0	0.0	0.0	57.0	0.0	0.0	56.9	55.4	56.4
EVRAZ Regina - 409038		AE-134D	CJ478 6211-K	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	57.2	0.0	0.0	57.9	0.0	0.0	0.0	57.4	0.0	0.0	56.5	0.0	0.0	56.2	57.3	57.9
		AE-134D	CJ478 6211-K	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	55.1	0.0	0.0	56.2	0.0	0.0	0.0	55.4	0.0	0.0	56.7	0.0	0.0	56.5	55.3	56.2
EVRAZ Regina - 409039		AE-134D	CJ458 5912-N	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	55.5	0.0	0.0	57.5	0.0	0.0	0.0	56.7	0.0	0.0	54.2	0.0	0.0	54.5	56.1	57.5
		AE-134D	CJ458 5912-N	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	52.4	0.0	0.0	54.8	0.0	0.0	0.0	53.5	0.0	0.0	55.8	0.0	0.0	55.5	53.0	54.8
EVRAZ Regina - 409040		AE-134D	CJ499 6521-S	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	55.9	0.0	0.0	58.1	0.0	0.0	0.0	57.8	0.0	0.0	55.8	0.0	0.0	55.8	56.9	58.1
		AE-134D	CJ499 6521-S	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	52.2	0.0	0.0	54.5	0.0	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	55.3	53.0	54.5
EVRAZ Regina - 409099		AE-134D	CJ438 5617-M	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.1	0.0	0.0	58.1	0.0	0.0	0.0	57.5	0.0	0.0	56.2	0.0	0.0	55.9	56.8	58.1
		AE-134D	CJ438 5617-M	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.6	0.0	0.0	55.6	0.0	0.0	0.0	53.9	0.0	0.0	56.2	0.0	0.0	55.6	54.3	55.6
EVRAZ Regina - 409100		AE-134D	CJ421 5363-F	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.9	0.0	0.0	57.1	0.0	0.0	0.0	57.1	0.0	0.0	55.2	0.0	0.0	55.1	57.0	57.1
		AE-134D	CJ421 5363-F	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	53.3	0.0	0.0	54.9	0.0	0.0	0.0	55.1	0.0	0.0	54.6	0.0	0.0	54.7	54.2	54.9
EVRAZ Regina - 409101		AE-134D	CJ550 7282-M	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.2	0.0	0.0	57.8	0.0	0.0	0.0	56.5	0.0	0.0	55.4	0.0	0.0	55.5	56.9	57.8
		AE-134D	CJ550 7282-M	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	54.1	0.0	0.0	55.3	0.0	0.0	0.0	53.4	0.0	0.0	55.6	0.0	0.0	55.2	53.8	55.3
EVRAZ Regina - 409102		AE-134D	CJ546 7222-S	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.8	0.0	0.0	58.4	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.5	57.8	58.4
		AE-134D	CJ546 7222-S	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	0.0	53.9	0.0	0.0	56.1	0.0	0.0	55.8	54.2	55.9
EVRAZ Regina - 409103		AE-134D	CJ583 7774-T	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.5	0.0	0.0	58.1	0.0	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	55.7	57.6	58.1
		AE-134D	CJ583 7774-T	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	55.8	54.0	56.0
EVRAZ Regina - 409127		AE-134D	CJ516 6775-F	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.6	0.0	0.0	58.7	0.0	0.0	0.0	58.6	0.0	0.0	56.9	0.0	0.0	56.7	58.6	58.7
		AE-134D	CJ516 6775-F	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	55.6	0.0	0.0	56.7	0.0	0.0	0.0	55.4	0.0	0.0	56.3	0.0	0.0	56.4	55.5	56.7
EVRAZ Regina - 409128		AE-134D	CJ556 7372-L	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	56.9	0.0	0.0	57.9	0.0	0.0	0.0	58.1	0.0	0.0	56.1	0.0	0.0	55.9	57.5	57.9
		AE-134D	CJ556 7372-L	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.7	0.0	0.0	56.0	0.0	0.0	0.0	56.4	0.0	0.0	55.8	0.0	0.0	55.6	55.6	56.0
EVRAZ Regina - 409129		AE-134D	CJ598 7991-N	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.6	0.0	0.0	57.7	0.0	0.0	0.0	57.3	0.0	0.0	56.4	0.0	0.0	56.3	57.5	57.7
		AE-134D	CJ598 7991-N	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	56.1	54.6	55.5
EVRAZ Regina - 409130		AE-134D	CJ612 8197-N	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	57.8	0.0	0.0	58.0	0.0	0.0	0.0	58.1	0.0	0.0	55.7	0.0	0.0	56.2	58.0	58.0
		AE-134D	CJ612 8197-N	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	54.4	0.0	0.0	55.6	0.0	0.0	0.0	55.8	0.0	0.0	55.2	0.0	0.0	55.5	55.1	55.6
EVRAZ Regina - 409131		AE-134D	CJ577 7696-M	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.7	0.0	0.0	58.2	0.0	0.0	0.0	57.7	0.0	0.0	55.8	0.0	0.0	55.9	57.7	58.2
		AE-134D	CJ577 7696-M	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	54.6	0.0	0.0	55.8	0.0	0.0	0.0	54.1	0.0	0.0	55.6	0.0	0.0	55.6	54.4	55.8
EVRAZ Regina - 409209		AE-134D	CJ774 10557-N	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	55.2	0.0	0.0	58.1	0.0	0.0	0.0	58.2	0.0	0.0	50.6	0.0	0.0	52.3	56.7	58.1
		AE-134D	CJ774 10557-N	MILL CONTROL	Rockwell A	OK	ID	53.8	0.0	0.0	55.4	0.0	0.0	56.5	0.0	0.0	0.0	56.9	0.0	0.0	57.0	0.0	0.0	55.4	56.2	56.5
EVRAZ Regina - 409210		AE-134D	CJ702 9483-S	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	58.6	0.0	0.0	58.5	0.0	0.0	0.0	58.3	0.0	0.0	56.3	0.0	0.0	56.3	58.5	58.5
		AE-134D	CJ702 9483-S	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.7	0.0	0.0	56.1	0.0	0.0	0.0	54.3	0.0	0.0	55.5	0.0	0.0	55.6	55.0	56.1
EVRAZ Regina - 409211		AE-134D	CJ735 9963-N	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	56.3	0.0	0.0	58.4	0.0	0.0	0.0	58.1	0.0	0.0	54.0	0.0	0.0	54.4	57.2	


 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																				Friday, April 20, 2018, 12:35:59				
		Customer: ALBERTA PRODUCTS PIPE LINE LTD. <div>Diameter: 323.9 mm      Wall Thickness: 9.500 mm      Grade: GR.414-2 Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements</div>																				Certificate ID: 187579-2				
																						Customer PO: APPL 45709				
																						Mill Order No: WA 054675-01				
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES			
																							PM	HAZ	WMZ	
EVRAZ Regina - 409269		AE-134D	CJ668 8996-T	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.8	0.0	0.0	57.2	0.0	0.0	0.0	56.6	0.0	0.0	55.7	0.0	0.0	55.6	56.7	57.2
		AE-134D	CJ668 8996-T	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	56.6	0.0	0.0	55.8	0.0	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	55.7	55.5	55.8
		AE-134D	CJ961 13309-H	MILL CONTROL	Rockwell A	OK	OD	52.9	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	0.0	57.5	0.0	0.0	55.1	0.0	0.0	54.0	57.1	57.3
		AE-134D	CJ961 13309-H	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	54.6	0.0	0.0	56.0	0.0	0.0	0.0	52.9	0.0	0.0	54.7	0.0	0.0	54.9	53.8	56.0
EVRAZ Regina - 409270		AE-134D	CJ694 9365-F	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	57.5	0.0	0.0	57.8	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.0	57.6	57.8
		AE-134D	CJ694 9365-F	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.3	0.0	0.0	55.8	0.0	0.0	0.0	53.8	0.0	0.0	55.4	0.0	0.0	55.3	54.6	55.8
EVRAZ Regina - 409271		AE-134D	CJ649 8718-N	MILL CONTROL	Rockwell A	OK	OD	54.6	0.0	0.0	57.3	0.0	0.0	58.0	0.0	0.0	0.0	57.7	0.0	0.0	56.0	0.0	0.0	55.3	57.5	58.0
		AE-134D	CJ649 8718-N	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.0	0.0	0.0	55.1	0.0	0.0	55.0	54.2	56.0
		AE-134D	CJ953 13190-V	MILL CONTROL	Rockwell A	OK	OD	54.3	0.0	0.0	56.5	0.0	0.0	57.6	0.0	0.0	0.0	57.0	0.0	0.0	55.3	0.0	0.0	54.8	56.8	57.6
		AE-134D	CJ953 13190-V	MILL CONTROL	Rockwell A	OK	ID	54.1	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	0.0	52.7	0.0	0.0	54.8	0.0	0.0	54.5	53.3	55.6
EVRAZ Regina - 409272		AE-134D	CJ710 9596-H	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	58.1	0.0	0.0	58.2	0.0	0.0	0.0	57.4	0.0	0.0	56.6	0.0	0.0	56.7	57.8	58.2
		AE-134D	CJ710 9596-H	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	56.2	0.0	0.0	56.5	0.0	0.0	0.0	55.4	0.0	0.0	56.8	0.0	0.0	56.6	55.8	56.5
EVRAZ Regina - 409273		AE-134D	CJ707 9556-T	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	58.3	0.0	0.0	58.4	0.0	0.0	0.0	58.5	0.0	0.0	56.7	0.0	0.0	56.3	58.4	58.4
		AE-134D	CJ707 9556-T	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.3	0.0	0.0	56.3	0.0	0.0	0.0	54.4	0.0	0.0	55.4	0.0	0.0	55.3	54.9	56.3
EVRAZ Regina - 409274		AE-134D	CJ673 9067-H	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.8	0.0	0.0	58.6	0.0	0.0	0.0	58.1	0.0	0.0	55.9	0.0	0.0	55.7	58.0	58.6
		AE-134D	CJ673 9067-H	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	54.9	0.0	0.0	56.0	0.0	0.0	0.0	53.7	0.0	0.0	55.4	0.0	0.0	55.0	54.3	56.0
EVRAZ Regina - 409329		AE-134D	CJ839 11509-V	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	55.9	0.0	0.0	56.9	0.0	0.0	0.0	56.5	0.0	0.0	55.0	0.0	0.0	55.3	56.2	56.9
		AE-134D	CJ839 11509-V	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	52.5	0.0	0.0	54.8	0.0	0.0	0.0	53.2	0.0	0.0	54.8	0.0	0.0	54.9	52.9	54.8
EVRAZ Regina - 409335		AE-134D	CJ849 11657-V	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	55.9	0.0	0.0	57.3	0.0	0.0	0.0	56.3	0.0	0.0	52.8	0.0	0.0	54.1	56.1	57.3
		AE-134D	CJ849 11657-V	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	52.8	0.0	0.0	55.1	0.0	0.0	0.0	54.2	0.0	0.0	53.3	0.0	0.0	54.3	53.5	55.1
EVRAZ Regina - 409336		AE-134D	CJ879 12085-V	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.7	0.0	0.0	58.3	0.0	0.0	0.0	57.3	0.0	0.0	56.2	0.0	0.0	56.0	57.5	58.3
		AE-134D	CJ879 12085-V	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.0	0.0	0.0	55.8	0.0	0.0	0.0	54.0	0.0	0.0	55.4	0.0	0.0	55.3	54.5	55.8
EVRAZ Regina - 409337		AE-134D	CJ834 11434-V	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.2	0.0	0.0	57.5	0.0	0.0	0.0	57.8	0.0	0.0	56.9	0.0	0.0	56.5	57.5	57.5
		AE-134D	CJ834 11434-V	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	56.4	0.0	0.0	56.3	0.0	0.0	0.0	56.2	0.0	0.0	56.9	0.0	0.0	56.1	56.3	56.3
EVRAZ Regina - 409338		AE-134D	CJ835 11453-T	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	58.0	0.0	0.0	58.0	0.0	0.0	0.0	56.4	0.0	0.0	56.3	0.0	0.0	56.0	57.2	58.0
		AE-134D	CJ835 11453-T	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.7	0.0	0.0	55.3	0.0	0.0	0.0	53.1	0.0	0.0	55.1	0.0	0.0	55.2	53.9	55.3
EVRAZ Regina - 409339		AE-134D	CJ866 11891-T	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.5	0.0	0.0	58.5	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.3	57.6	58.5
		AE-134D	CJ866 11891-T	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	55.9	54.9	55.8
EVRAZ Regina - 409340		AE-134D	CJ815 11157-J	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	56.9	0.0	0.0	58.7	0.0	0.0	0.0	58.9	0.0	0.0	55.5	0.0	0.0	55.2	57.9	58.7
		AE-134D	CJ815 11157-J	MILL CONTROL	Rockwell A	OK	ID	54.6	0.0	0.0	54.9	0.0	0.0	56.6	0.0	0.0	0.0	55.4	0.0	0.0	54.5	0.0	0.0	54.6	55.2	56.6
		AE-134D	CJ959 13279-S	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	57.1	0.0	0.0	57.8	0.0	0.0	0.0	57.3	0.0	0.0	54.9	0.0	0.0	55.0	57.2	57.8
		AE-134D	CJ959 13279-S	MILL CONTROL	Rockwell A	OK	ID	54.4	0.0	0.0	53.7	0.0	0.0	55.6	0.0	0.0	0.0	53.0	0.0	0.0	54.8	0.0	0.0	54.6	53.4	55.6
EVRAZ Regina - 409341		AE-134D	CJ848 11638-S	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.2	0.0	0.0	57.2	0.0	0.0	0.0	57.2	0.0	0.0	56.2	0.0	0.0	55.9	57.2	57.2
		AE-134D	CJ848 11638-S	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.6	0.0	0.0	55.7	0.0	0.0	0.0	55.4	0.0	0.0	55.7	0.0	0.0	55.7	55.5	55.7
EVRAZ Regina - 409342		AE-134D	CJ941 13007-N	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	57.0	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	56.1	0.0	0.0	55.8	57.0	57.1
		AE-134D	CJ941 13007-N	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	55.1	0.0	0.0	55.6	0.0	0.0	0.0	53.9	0.0	0.0	56.5	0.0	0.0	55.7	54.5	55.6
EVRAZ Regina - 409387		AE-134D	CK073 14047-N	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.6	0.0	0.0	57.7	0.0	0.0	0.0	58.2	0.0	0.0	56.6	0.0	0.0	56.3	57.9	57.7
		AE-134D	CK073 14047-N	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	56.3	0.0	0.0	56.9	0.0	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	55.9	56.1	56.9
EVRAZ Regina - 409388		AE-134D	CK034 13469-S	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	56.4	0.0	0.0	57.4	0.0	0.0	0.0	57.6	0.0	0.0	54.8	0.0	0.0	55.0	57.0	57.4
		AE-134D	CK034 13469-S	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	52.3	0.0	0.0	54.7	0.0	0.0	0.0	54.5	0.0	0.0	55.0	0.0	0.0	54.8	53.4	54.7
		AE-134D	CK386 18667-N	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	54.5	0.0	0.0	56.9	0.0	0.0	0.0	54.5	0.0	0.0	53.0	0.0	0.0	54.6	54.5	56.9
		AE-134D	CK386 18667-N	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	56.0	0.0	0.0	55.5	0.0	0.0	0.0	53.6	0.0	0.0	57.2	0.0	0.0	56.2	54.8	55.5
EVRAZ Regina - 409389		AE-134D	CK264 16883-J	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.5	0.0	0.0	58.2	0.0	0.0	0.0	58.4	0.0	0.0	56.2	0.0	0.0	55.9	57.5	58.2
		AE-134D	CK264 16883-J	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	53.9	0.0	0.0	55.6	0.0	0.0	0.0	53.7	0.0	0.0	55.9	0.0	0.0	55.9	53.8	55.6
		AE-136A	CK871 23643-T	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	55.2	0.0	0.0	57.8	0.0	0.0	0.0	57.8	0.0	0.0	55.2	0.0	0.0	55.2	56.5	57.8
		AE-136A	CK871 23643-T	MILL CONTROL	Rockwell A	OK																				


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		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Certificate ID: 187579-2																					
																				Diameter: 323.9 mm						Wall Thickness: 9.500 mm						Grade: GR.414-2				Customer PO: APPL 45709					
																				Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																		Mill Order No: WA 054675-01			
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES																		
																							PM	HAZ	WMZ																
EVRAZ Regina - 409438	AE-134D	CK095 14376-S	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.8	0.0	0.0	58.3	0.0	0.0	0.0	58.5	0.0	0.0	56.6	0.0	0.0	56.6	58.2	58.3																
	AE-134D	CK095 14376-S	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	55.1	0.0	0.0	56.1	0.0	0.0	0.0	56.4	0.0	0.0	56.1	0.0	0.0	56.2	55.8	56.1																
EVRAZ Regina - 409439	AE-134D	CK171 15493-K	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	56.7	0.0	0.0	57.7	0.0	0.0	0.0	57.1	0.0	0.0	55.8	0.0	0.0	55.5	56.9	57.7																
	AE-134D	CK171 15493-K	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.3	0.0	0.0	55.9	0.0	0.0	0.0	54.5	0.0	0.0	56.1	0.0	0.0	55.5	54.4	55.9																
EVRAZ Regina - 409440	AE-134D	CK211 16083-N	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	56.5	0.0	0.0	56.7	0.0	0.0	0.0	56.6	0.0	0.0	55.7	0.0	0.0	56.0	56.6	56.7																
	AE-134D	CK211 16083-N	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	55.9	0.0	0.0	56.0	0.0	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	56.1	54.9	56.0																
EVRAZ Regina - 409441	AE-134D	CK111 14591-N	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.3	0.0	0.0	58.2	0.0	0.0	0.0	58.0	0.0	0.0	55.7	0.0	0.0	55.7	58.2	58.2																
	AE-134D	CK111 14591-N	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	56.3	0.0	0.0	56.6	0.0	0.0	0.0	56.3	0.0	0.0	55.6	0.0	0.0	55.8	56.3	56.6																
EVRAZ Regina - 409442	AE-134D	CK119 14711-H	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.7	0.0	0.0	58.4	0.0	0.0	0.0	58.7	0.0	0.0	55.7	0.0	0.0	56.2	58.2	58.4																
	AE-134D	CK119 14711-H	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.1	0.0	0.0	56.5	0.0	0.0	0.0	56.1	0.0	0.0	56.6	0.0	0.0	56.7	56.1	56.5																
EVRAZ Regina - 409486	AE-134D	CK201 15941-F	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	56.7	0.0	0.0	57.6	0.0	0.0	0.0	57.0	0.0	0.0	55.8	0.0	0.0	55.8	56.9	57.6																
	AE-134D	CK201 15941-F	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.2	0.0	0.0	55.6	0.0	0.0	0.0	53.5	0.0	0.0	55.6	0.0	0.0	55.5	53.4	55.6																
EVRAZ Regina - 409487	AE-134D	CK328 17801-L	MILL CONTROL	Rockwell A	OK	OD	54.5	0.0	0.0	55.2	0.0	0.0	58.3	0.0	0.0	0.0	58.8	0.0	0.0	56.5	0.0	0.0	55.5	57.0	58.3																
	AE-134D	CK328 17801-L	MILL CONTROL	Rockwell A	OK	ID	52.7	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	0.0	55.9	0.0	0.0	55.2	0.0	0.0	54.0	54.8	55.5																
EVRAZ Regina - 409488	AE-134D	CK217 16178-K	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.2	0.0	0.0	58.2	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.8	57.3	58.2																
	AE-134D	CK217 16178-K	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.6	0.0	0.0	55.9	0.0	0.0	55.3	54.5	56.0																
EVRAZ Regina - 409489	AE-134D	CK234 16425-V	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.1	0.0	0.0	57.9	0.0	0.0	0.0	58.3	0.0	0.0	55.2	0.0	0.0	55.8	58.2	57.9																
	AE-134D	CK234 16425-V	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	54.8	0.0	0.0	56.5	0.0	0.0	0.0	55.7	0.0	0.0	56.2	0.0	0.0	56.5	55.3	56.5																
EVRAZ Regina - 409490	AE-136A	CK979 25192-T	MILL CONTROL	Rockwell A	OK	OD	47.2	0.0	0.0	49.4	0.0	0.0	55.2	0.0	0.0	0.0	55.6	0.0	0.0	49.6	0.0	0.0	48.4	52.5	55.2																
	AE-136A	CK979 25192-T	MILL CONTROL	Rockwell A	OK	ID	52.0	0.0	0.0	54.6	0.0	0.0	55.1	0.0	0.0	0.0	54.9	0.0	0.0	54.9	0.0	0.0	53.5	54.8	55.1																
EVRAZ Regina - 409528	AE-134D	CK380 18583-S	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.3	0.0	0.0	57.7	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.1	57.0	57.7																
	AE-134D	CK380 18583-S	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.3	0.0	0.0	55.2	0.0	0.0	0.0	54.6	0.0	0.0	56.4	0.0	0.0	56.2	54.5	55.2																
EVRAZ Regina - 409529	AE-134D	CK363 18327-J	MILL CONTROL	Rockwell A	OK	OD	54.6	0.0	0.0	57.2	0.0	0.0	58.1	0.0	0.0	0.0	54.2	0.0	0.0	56.1	0.0	0.0	55.4	55.7	58.1																
	AE-134D	CK363 18327-J	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.3	0.0	0.0	55.7	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.7	54.2	55.7																
EVRAZ Regina - 409530	AE-134D	CK241 16541-K	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	56.1	0.0	0.0	58.1	0.0	0.0	0.0	57.8	0.0	0.0	55.7	0.0	0.0	55.5	57.0	58.1																
	AE-134D	CK241 16541-K	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	55.5	54.0	55.5																
EVRAZ Regina - 409531	AE-134D	CK306 17474-H	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.3	0.0	0.0	58.7	0.0	0.0	0.0	58.4	0.0	0.0	55.7	0.0	0.0	55.9	58.4	58.7																
	AE-134D	CK306 17474-H	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	54.6	0.0	0.0	56.3	0.0	0.0	0.0	53.1	0.0	0.0	55.6	0.0	0.0	55.1	53.9	56.3																
EVRAZ Regina - 409532	AE-134D	CK358 18249-V	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.0	0.0	0.0	59.0	0.0	0.0	0.0	56.3	0.0	0.0	56.2	0.0	0.0	56.0	56.7	59.0																
	AE-134D	CK358 18249-V	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	56.2	0.0	0.0	56.0	0.0	0.0	0.0	54.7	0.0	0.0	56.3	0.0	0.0	56.3	55.5	56.0																
EVRAZ Regina - 409533	AE-134D	CK316 17623-H	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	57.9	0.0	0.0	57.8	0.0	0.0	0.0	56.9	0.0	0.0	55.9	0.0	0.0	56.4	57.4	57.8																
	AE-134D	CK316 17623-H	MILL CONTROL	Rockwell A	OK	ID	57.0	0.0	0.0	55.9	0.0	0.0	56.1	0.0	0.0	0.0	54.0	0.0	0.0	56.2	0.0	0.0	56.6	55.0	56.1																
EVRAZ Regina - 409571	AE-134D	CK512 20539-J	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.9	0.0	0.0	58.6	0.0	0.0	0.0	58.9	0.0	0.0	58.1	0.0	0.0	56.8	57.9	58.6																
	AE-134D	CK512 20539-J	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	56.2	0.0	0.0	57.3	0.0	0.0	0.0	57.4	0.0	0.0	57.0	0.0	0.0	56.3	56.8	57.3																
	AE-136A	CL007 25592-N	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	55.2	0.0	0.0	58.3	0.0	0.0	0.0	58.0	0.0	0.0	55.4	0.0	0.0	55.4	56.6	58.3																
	AE-136A	CL007 25592-N	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	53.6	0.0	0.0	55.7	0.0	0.0	0.0	54.3	0.0	0.0	55.3	0.0	0.0	55.4	54.0	55.7																
EVRAZ Regina - 409572	AE-134D	CK466 19852-T	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.8	0.0	0.0	58.3	0.0	0.0	0.0	56.4	0.0	0.0	56.4	0.0	0.0	55.6	57.1	58.3																
	AE-134D	CK466 19852-T	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.6	0.0	0.0	56.1	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.8	54.4	56.1																
EVRAZ Regina - 409573	AE-134D	CK445 19548-T	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.1	0.0	0.0	58.4	0.0	0.0	0.0	58.9	0.0	0.0	56.8	0.0	0.0	56.9	58.5	58.4																
	AE-134D	CK445 19548-T	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	56.9	0.0	0.0	57.4	0.0	0.0	0.0	55.5	0.0	0.0	56.5	0.0	0.0	56.6	56.2	57.4																
EVRAZ Regina - 409574	AE-134D	CK373 18475-J	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.3	0.0	0.0	58.2	0.0	0.0	0.0	57.3	0.0	0.0	56.4	0.0	0.0	56.2	57.3	58.2																
	AE-134D	CK373 18475-J	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.1	0.0	0.0	55.7	0.0	0.0	0.0	53.9	0.0	0.0	56.2	0.0	0.0	56.1	54.0	55.7																
EVRAZ Regina - 409576	AE-134D	CK452 19649-S	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.8	0.0	0.0	59.4	0.0	0.0	0.0	58.5	0.0	0.0	58.3	0.0	0.0	57.6	58.7	59.4																
	AE-134D	CK452 19649-S	MILL CONTROL	Rockwell A	OK	ID	57.2	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	0.0	55.3	0.0	0.0	57.2	0.0	0.0	57.2	56.0	57.3																
EVRAZ Regina - 409607	AE-134D	CK424 19233-T	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	57.4	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.2	57.9	58.6																
	AE-134D	CK424 19233-T	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	56.9	0.0	0.0	56.7																												



 Camrose ERW	EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																				Friday, April 20, 2018, 12:35:59														
	Customer: ALBERTA PRODUCTS PIPE LINE LTD.																				Diameter: 323.9 mm			Wall Thickness: 9.500 mm			Grade: GR.414-2			Certificate ID: 187579-2					
																					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements												Customer PO: APPL 45709		
																																	Mill Order No: WA 054675-01		
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES												
																						PM	HAZ	WMZ											
EVRAZ Regina - 409654	AE-136A	CK900 24069-V	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.7	0.0	0.0	57.6	0.0	0.0	0.0	57.5	0.0	0.0	55.9	0.0	0.0	56.0	57.1	57.6										
	AE-136A	CK900 24069-V	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.4	0.0	0.0	54.8	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.7	53.8	54.8										
	AE-136A	CL104 27028-N	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	56.0	0.0	0.0	57.2	0.0	0.0	0.0	57.1	0.0	0.0	52.6	0.0	0.0	53.8	56.6	57.2										
EVRAZ Regina - 409655	AE-136A	CL104 27028-N	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	52.9	0.0	0.0	54.4	0.0	0.0	0.0	53.8	0.0	0.0	55.3	0.0	0.0	55.1	53.4	54.4										
	AE-134D	CK617 22112-T	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	52.9	0.0	0.0	57.3	0.0	0.0	0.0	57.3	0.0	0.0	50.4	0.0	0.0	52.6	55.1	57.3										
	AE-134D	CK617 22112-T	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.8	0.0	0.0	56.4	0.0	0.0	0.0	56.4	0.0	0.0	53.7	0.0	0.0	54.9	55.6	56.4										
EVRAZ Regina - 409663	AE-134D	CK539 20941-F	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	57.8	0.0	0.0	58.2	0.0	0.0	0.0	56.9	0.0	0.0	56.2	0.0	0.0	56.4	57.4	58.2										
	AE-134D	CK539 20941-F	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	55.9	0.0	0.0	56.2	0.0	0.0	0.0	54.0	0.0	0.0	57.0	0.0	0.0	57.0	55.0	56.2										
	AE-136A	CL029 25918-V	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.9	0.0	0.0	58.2	0.0	0.0	0.0	58.6	0.0	0.0	56.6	0.0	0.0	56.0	58.3	58.2										
	AE-136A	CL029 25918-V	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	0.0	56.0	0.0	0.0	56.3	0.0	0.0	56.0	55.6	56.0										
EVRAZ Regina - 409664	AE-134D	CK534 20871-M	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.0	0.0	0.0	58.0	0.0	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	55.6	56.8	58.0										
	AE-134D	CK534 20871-M	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	54.2	0.0	0.0	56.0	0.0	0.0	0.0	54.1	0.0	0.0	55.7	0.0	0.0	55.4	54.2	56.0										
	AE-136A	CL005 25562-L	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.3	0.0	0.0	57.9	0.0	0.0	0.0	58.1	0.0	0.0	55.9	0.0	0.0	55.7	57.2	57.9										
	AE-136A	CL005 25562-L	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.8	0.0	0.0	55.8	0.0	0.0	0.0	54.2	0.0	0.0	55.1	0.0	0.0	55.2	54.0	55.8										
EVRAZ Regina - 409665	AE-134D	CK573 21455-N	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.2	0.0	0.0	57.7	0.0	0.0	0.0	57.8	0.0	0.0	55.1	0.0	0.0	55.1	57.0	57.7										
	AE-134D	CK573 21455-N	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	56.2	54.9	56.3										
	AE-136A	CL031 25948-M	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	58.0	0.0	0.0	58.3	0.0	0.0	0.0	58.3	0.0	0.0	56.2	0.0	0.0	55.7	58.2	58.3										
	AE-136A	CL031 25948-M	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.2	0.0	0.0	55.8	0.0	0.0	0.0	55.8	0.0	0.0	56.0	0.0	0.0	55.9	55.5	55.8										
EVRAZ Regina - 409666	AE-134D	CK620 22161-T	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.2	0.0	0.0	58.1	0.0	0.0	0.0	57.2	0.0	0.0	55.9	0.0	0.0	55.5	57.2	58.1										
	AE-134D	CK620 22161-T	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	53.4	0.0	0.0	55.1	0.0	0.0	0.0	52.5	0.0	0.0	55.4	0.0	0.0	55.1	53.0	55.1										
EVRAZ Regina - 409667	AE-134D	CK566 21353-T	MILL CONTROL	Rockwell A	OK	OD	54.1	0.0	0.0	54.4	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	55.5	0.0	0.0	54.8	55.7	57.1										
	AE-134D	CK566 21353-T	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	52.8	0.0	0.0	54.7	0.0	0.0	0.0	54.2	0.0	0.0	53.5	0.0	0.0	54.3	53.5	54.7										
	AE-136A	CL083 26720-F	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	56.6	0.0	0.0	56.9	0.0	0.0	0.0	57.3	0.0	0.0	54.3	0.0	0.0	54.7	57.0	56.9										
	AE-136A	CL083 26720-F	MILL CONTROL	Rockwell A	OK	ID	54.2	0.0	0.0	53.5	0.0	0.0	55.2	0.0	0.0	0.0	55.4	0.0	0.0	52.9	0.0	0.0	53.6	54.5	55.2										
EVRAZ Regina - 409685	AE-136A	CK805 22665-J	MILL CONTROL	Rockwell A	OK	OD	49.4	0.0	0.0	45.7	0.0	0.0	55.2	0.0	0.0	0.0	56.1	0.0	0.0	55.4	0.0	0.0	52.4	50.9	55.2										
	AE-136A	CK805 22665-J	MILL CONTROL	Rockwell A	OK	ID	54.0	0.0	0.0	51.7	0.0	0.0	55.5	0.0	0.0	0.0	55.9	0.0	0.0	55.8	0.0	0.0	54.9	53.8	55.5										
EVRAZ Regina - 409686	AE-136A	CK898 24035-H	MILL CONTROL	Rockwell A	OK	OD	53.9	0.0	0.0	57.4	0.0	0.0	57.3	0.0	0.0	0.0	57.1	0.0	0.0	55.1	0.0	0.0	54.5	57.3	57.3										
	AE-136A	CK898 24035-H	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.9	0.0	0.0	56.2	0.0	0.0	0.0	54.6	0.0	0.0	56.5	0.0	0.0	56.1	55.3	56.2										
EVRAZ Regina - 409687	AE-136A	CL071 26538-S	MILL CONTROL	Rockwell A	OK	OD	54.1	0.0	0.0	55.9	0.0	0.0	57.3	0.0	0.0	0.0	57.8	0.0	0.0	55.5	0.0	0.0	54.8	56.9	57.3										
	AE-136A	CL071 26538-S	MILL CONTROL	Rockwell A	OK	ID	54.2	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	0.0	56.1	0.0	0.0	55.4	0.0	0.0	54.8	55.3	55.8										
EVRAZ Regina - 409688	AE-136A	CL094 26880-J	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.4	0.0	0.0	56.6	0.0	0.0	0.0	57.3	0.0	0.0	55.6	0.0	0.0	55.5	56.9	56.6										
	AE-136A	CL094 26880-J	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.9	0.0	0.0	55.6	0.0	0.0	0.0	55.7	0.0	0.0	55.7	0.0	0.0	55.5	55.3	55.6										
EVRAZ Regina - 409714	AE-136A	CL082 26701-L	MILL CONTROL	Rockwell A	OK	OD	44.1	0.0	0.0	52.0	0.0	0.0	56.7	0.0	0.0	0.0	57.1	0.0	0.0	53.5	0.0	0.0	48.8	54.6	56.7										
	AE-136A	CL082 26701-L	MILL CONTROL	Rockwell A	OK	ID	49.7	0.0	0.0	54.9	0.0	0.0	55.7	0.0	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	52.9	55.1	55.7										
EVRAZ Regina - 409715	AE-136A	CK874 23687-M	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	57.0	0.0	0.0	57.8	0.0	0.0	0.0	57.8	0.0	0.0	55.1	0.0	0.0	55.0	57.4	57.8										
	AE-136A	CK874 23687-M	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	53.8	0.0	0.0	55.1	0.0	0.0	0.0	54.7	0.0	0.0	55.6	0.0	0.0	55.7	54.3	55.1										
EVRAZ Regina - 409716	AE-136A	CL061 26392-N	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	56.8	0.0	0.0	57.9	0.0	0.0	0.0	57.8	0.0	0.0	55.0	0.0	0.0	55.5	57.3	57.9										
	AE-136A	CL061 26392-N	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	55.1	0.0	0.0	56.5	0.0	0.0	0.0	56.1	0.0	0.0	55.9	0.0	0.0	55.5	55.6	56.5										
EVRAZ Regina - 409717	AE-136A	CK828 23002-J	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.9	0.0	0.0	57.6	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.7	57.1	57.6										
	AE-136A	CK828 23002-J	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.6	0.0	0.0	56.1	0.0	0.0	0.0	54.3	0.0	0.0	56.4	0.0	0.0	56.2	54.5	56.1										
EVRAZ Regina - 409718	AE-136A	CK968 25031-J	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	56.1	0.0	0.0	57.7	0.0	0.0	0.0	57.1	0.0	0.0	55.4	0.0	0.0	55.3	56.6	57.7										
	AE-136A	CK968 25031-J	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	53.5	0.0	0.0	55.2	0.0	0.0	0.0	55.7	0.0	0.0	55.8	0.0	0.0	55.7	54.6	55.2										
EVRAZ Regina - 409746	AE-136A	CL032 25963-M	MILL CONTROL	Rockwell A	OK	OD	54.5	0.0	0.0	57.0	0.0	0.0	57.5	0.0	0.0	0.0	57.5	0.0	0.0	55.3	0.0	0.0	54.9	57.3	57.5										
	AE-136A	CL032 25963-M	MILL CONTROL	Rockwell A	OK	ID	54.6	0.0	0.0	53.9	0.0	0.0	55.3	0.0	0.0	0.0	54.7	0.0	0.0	55.2	0.0	0.0	54.9	54.3	55.3										
	AE-136A	CL105 27047-V	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	57.6	0.0	0.0																							

 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																				Friday, April 20, 2018, 12:35:59					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD. <div>Diameter: 323.9 mmWall Thickness: 9.500 mmGrade: GR.414-2</div> <div>Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements</div>																				Certificate ID: 187579-2					
																						Customer PO: APPL 45709					
																						Mill Order No: WA 054675-01					
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES				
																							PM	HAZ	WMZ		
EVRAZ Regina - 409836		AE-136A	CL125 27328-V	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	56.7	0.0	0.0	57.5	0.0	0.0	0.0	57.7	0.0	0.0	55.1	0.0	0.0	55.4	57.2	57.5	
		AE-136A	CL125 27328-V	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	55.5	0.0	0.0	55.5	0.0	0.0	55.7	55.5	55.8	
EVRAZ Regina - 409837		AE-136A	CL133 27442-H	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.8	0.0	0.0	57.6	0.0	0.0	0.0	57.4	0.0	0.0	55.6	0.0	0.0	55.5	57.1	57.6	
		AE-136A	CL133 27442-H	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.2	0.0	0.0	55.8	0.0	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	55.7	55.6	55.8	
EVRAZ Regina - 409838		AE-136A	CK819 22869-F	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.2	0.0	0.0	57.5	0.0	0.0	0.0	57.2	0.0	0.0	55.4	0.0	0.0	55.7	57.2	57.5	
		AE-136A	CK819 22869-F	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	54.5	0.0	0.0	55.7	0.0	0.0	0.0	55.2	0.0	0.0	55.4	0.0	0.0	55.8	54.9	55.7	
EVRAZ Regina - 409839		AE-136A	CK959 24897-S	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	57.6	0.0	0.0	57.5	0.0	0.0	0.0	58.1	0.0	0.0	56.8	0.0	0.0	56.0	57.9	57.5	
		AE-136A	CK959 24897-S	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.1	0.0	0.0	55.9	0.0	0.0	0.0	55.5	0.0	0.0	56.6	0.0	0.0	56.6	55.8	55.9	
EVRAZ Regina - 409894		AE-136A	CL002 25511-H	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.0	0.0	0.0	57.4	0.0	0.0	0.0	57.4	0.0	0.0	56.1	0.0	0.0	56.1	57.2	57.4	
		AE-136A	CL002 25511-H	MILL CONTROL	Rockwell A	OK	ID	57.3	0.0	0.0	54.8	0.0	0.0	56.0	0.0	0.0	0.0	55.1	0.0	0.0	56.9	0.0	0.0	57.1	55.0	56.0	
EVRAZ Regina - 409895		AE-136A	CK990 25359-F	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	54.3	0.0	0.0	56.6	0.0	0.0	0.0	56.3	0.0	0.0	54.9	0.0	0.0	54.5	55.3	56.6	
		AE-136A	CK990 25359-F	MILL CONTROL	Rockwell A	OK	ID	54.4	0.0	0.0	52.7	0.0	0.0	55.2	0.0	0.0	0.0	53.0	0.0	0.0	54.9	0.0	0.0	54.7	52.9	55.2	
EVRAZ Regina - 528243		AE-134D	CJ486 6335-V	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.7	0.0	0.0	58.9	0.0	0.0	0.0	58.3	0.0	0.0	55.4	0.0	0.0	55.1	58.0	58.9	
		AE-134D	CJ486 6335-V	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.1	0.0	0.0	55.4	0.0	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	56.1	54.3	55.4	
EVRAZ Regina - 528244		AE-134D	CJ432 5528-K	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.9	0.0	0.0	57.4	0.0	0.0	0.0	57.5	0.0	0.0	54.8	0.0	0.0	55.4	57.2	57.4	
		AE-134D	CJ432 5528-K	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	49.9	0.0	0.0	54.6	0.0	0.0	0.0	53.4	0.0	0.0	55.2	0.0	0.0	55.0	51.7	54.6	
EVRAZ Regina - 528245		AE-134D	CJ592 7903-V	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	58.1	0.0	0.0	58.4	0.0	0.0	0.0	58.6	0.0	0.0	55.4	0.0	0.0	55.3	58.4	58.4	
		AE-134D	CJ592 7903-V	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	55.4	0.0	0.0	55.0	0.0	0.0	55.2	55.5	55.8	
EVRAZ Regina - 528246		AE-134D	CJ426 5438-H	MILL CONTROL	Rockwell A	OK	OD	50.9	0.0	0.0	57.5	0.0	0.0	58.7	0.0	0.0	0.0	58.0	0.0	0.0	55.6	0.0	0.0	53.3	57.8	58.7	
		AE-134D	CJ426 5438-H	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.4	0.0	0.0	56.6	0.0	0.0	0.0	56.2	0.0	0.0	56.3	0.0	0.0	56.1	55.3	56.6	
EVRAZ Regina - 528247		AE-134D	CJ472 6122-F	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	55.8	0.0	0.0	57.4	0.0	0.0	0.0	57.3	0.0	0.0	55.1	0.0	0.0	55.3	56.6	57.4	
		AE-134D	CJ472 6122-F	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	53.0	0.0	0.0	55.2	0.0	0.0	0.0	53.4	0.0	0.0	54.9	0.0	0.0	55.0	53.2	55.2	
EVRAZ Regina - 528276		AE-134D	CJ510 6685-T	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	58.5	0.0	0.0	59.1	0.0	0.0	0.0	59.2	0.0	0.0	56.4	0.0	0.0	56.6	58.9	59.1	
		AE-134D	CJ510 6685-T	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	55.1	0.0	0.0	56.6	0.0	0.0	0.0	55.0	0.0	0.0	56.7	0.0	0.0	56.7	55.1	56.6	
EVRAZ Regina - 528277		AE-134D	CJ445 5720-J	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.8	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.3	0.0	0.0	56.4	58.1	58.6	
		AE-134D	CJ445 5720-J	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	0.0	54.0	0.0	0.0	56.3	0.0	0.0	56.3	54.0	55.9	
EVRAZ Regina - 528278		AE-134D	CJ484 6304-F	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	55.3	0.0	0.0	57.3	0.0	0.0	0.0	57.3	0.0	0.0	55.3	0.0	0.0	55.5	56.3	57.3	
		AE-134D	CJ484 6304-F	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	52.3	0.0	0.0	54.7	0.0	0.0	0.0	53.2	0.0	0.0	55.3	0.0	0.0	55.2	52.8	54.7	
EVRAZ Regina - 528279		AE-134D	CJ568 7552-S	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.4	0.0	0.0	57.2	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.8	57.4	57.2	
		AE-134D	CJ568 7552-S	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	54.2	0.0	0.0	55.3	0.0	0.0	0.0	54.2	0.0	0.0	55.5	0.0	0.0	55.8	54.2	55.3	
EVRAZ Regina - 528280		AE-134D	CJ413 5267-S	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	58.2	0.0	0.0	58.0	0.0	0.0	0.0	57.9	0.0	0.0	55.4	0.0	0.0	55.6	58.1	58.0	
		AE-134D	CJ413 5267-S	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.4	0.0	0.0	56.2	0.0	0.0	0.0	54.7	0.0	0.0	55.4	0.0	0.0	55.5	55.1	56.2	
EVRAZ Regina - 528317		AE-134D	CJ541 7148-J	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.8	0.0	0.0	59.0	0.0	0.0	0.0	58.2	0.0	0.0	55.9	0.0	0.0	56.0	58.5	59.0	
		AE-134D	CJ541 7148-J	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	56.8	0.0	0.0	56.1	0.0	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	55.7	55.3	56.1	
EVRAZ Regina - 528318		AE-134D	CJ504 6595-J	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	56.8	0.0	0.0	53.6	0.0	0.0	0.0	57.1	0.0	0.0	54.8	0.0	0.0	55.4	57.0	53.6	
		AE-134D	CJ504 6595-J	MILL CONTROL	Rockwell A	OK	ID	53.9	0.0	0.0	53.9	0.0	0.0	52.3	0.0	0.0	0.0	52.6	0.0	0.0	54.5	0.0	0.0	54.2	53.3	52.3	
EVRAZ Regina - 528319		AE-134D	CJ522 6869-S	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	58.6	0.0	0.0	58.6	0.0	0.0	0.0	58.6	0.0	0.0	55.9	0.0	0.0	55.7	58.6	58.6	
		AE-134D	CJ522 6869-S	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.8	0.0	0.0	56.4	0.0	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	55.7	55.1	56.4	
EVRAZ Regina - 528320		AE-134D	CJ563 7477-T	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.1	0.0	0.0	58.3	0.0	0.0	0.0	58.2	0.0	0.0	56.0	0.0	0.0	56.1	57.7	58.3	
		AE-134D	CJ563 7477-T	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.4	0.0	0.0	56.2	0.0	0.0	0.0	56.2	0.0	0.0	56.4	0.0	0.0	56.2	55.3	56.2	
EVRAZ Regina - 528321		AE-134D	CJ529 6978-L	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	58.1	0.0	0.0	58.3	0.0	0.0	0.0	59.0	0.0	0.0	57.0	0.0	0.0	56.4	58.6	58.3	
		AE-134D	CJ529 6978-L	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	55.0	0.0	0.0	56.7	0.0	0.0	0.0	56.1	0.0	0.0	57.0	0.0	0.0	56.7	55.6	56.7	
EVRAZ Regina - 528346		AE-134D	CJ661 8897-T	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.4	0.0	0.0	59.1	0.0	0.0	0.0	58.6	0.0	0.0	56.3	0.0	0.0	56.0	58.5	59.1	
		AE-134D	CJ661 8897-T	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.1	0.0	0.0	56.3	0.0	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	55.7	54.8	56.3	
EVRAZ Regina - 528347		AE-134D	CJ588 7840-T	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	58.4	0.0	0.0	58.8	0.0	0.0	0.0	58.6	0.0	0.0	56.4	0.0	0.0	56.3	58.5	58.8	
		AE-134D	CJ588 7840-T	MILL CONTROL	Rockwell A	OK</																					

 Camrose ERW		EVRAZ Camrose																				Friday, April 20, 2018, 12:35:59									
		CERTIFICATE OF TESTING																				Certificate ID: 187579-2									
		Macro Hardness																				Customer PO: APPL 45709									
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																				Mill Order No: WA 054675-01									
				Diameter: 323.9 mm		Wall Thickness: 9.500 mm										Grade: GR.414-2															
						Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																									
Supplier - Heat		Product ID		Test Type		Scale		MS		Location		PM			HAZ			WMZ			HAZ			PM			AVERAGES				
																											PM	HAZ	WMZ		
EVRAZ Regina - 528457		AE-134D CJ782 10663-S		MILL CONTROL		Rockwell A		OK	OD	56.3	0.0	0.0	57.5	0.0	0.0	58.3	0.0	0.0	0.0	57.9	0.0	0.0	56.7	0.0	0.0	56.5	57.7	58.3			
		AE-134D CJ782 10663-S		MILL CONTROL		Rockwell A		OK	ID	55.9	0.0	0.0	54.2	0.0	0.0	56.8	0.0	0.0	0.0	54.1	0.0	0.0	56.5	0.0	0.0	56.2	54.2	56.8			
EVRAZ Regina - 528458		AE-134D CJ753 10232-T		MILL CONTROL		Rockwell A		OK	OD	55.1	0.0	0.0	54.4	0.0	0.0	58.2	0.0	0.0	0.0	58.1	0.0	0.0	55.4	0.0	0.0	55.3	56.3	58.2			
		AE-134D CJ753 10232-T		MILL CONTROL		Rockwell A		OK	ID	55.6	0.0	0.0	53.6	0.0	0.0	55.8	0.0	0.0	0.0	55.6	0.0	0.0	55.4	0.0	0.0	55.5	54.6	55.8			
EVRAZ Regina - 528459		AE-134D CJ763 10378-V		MILL CONTROL		Rockwell A		OK	OD	56.3	0.0	0.0	57.9	0.0	0.0	58.1	0.0	0.0	0.0	57.9	0.0	0.0	56.7	0.0	0.0	56.5	57.9	58.1			
		AE-134D CJ763 10378-V		MILL CONTROL		Rockwell A		OK	ID	56.0	0.0	0.0	56.8	0.0	0.0	57.2	0.0	0.0	0.0	56.2	0.0	0.0	55.0	0.0	0.0	55.5	56.5	57.2			
EVRAZ Regina - 528477		AE-134D CJ691 9323-H		MILL CONTROL		Rockwell A		OK	OD	55.9	0.0	0.0	58.3	0.0	0.0	58.2	0.0	0.0	0.0	57.6	0.0	0.0	56.6	0.0	0.0	56.3	58.0	58.2			
		AE-134D CJ691 9323-H		MILL CONTROL		Rockwell A		OK	ID	55.7	0.0	0.0	55.4	0.0	0.0	56.4	0.0	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	55.8	54.7	56.4			
EVRAZ Regina - 528478		AE-134D CJ806 11023-F		MILL CONTROL		Rockwell A		OK	OD	56.2	0.0	0.0	57.0	0.0	0.0	59.0	0.0	0.0	0.0	59.0	0.0	0.0	55.1	0.0	0.0	55.7	58.0	59.0			
		AE-134D CJ806 11023-F		MILL CONTROL		Rockwell A		OK	ID	56.0	0.0	0.0	55.7	0.0	0.0	59.1	0.0	0.0	0.0	56.7	0.0	0.0	55.7	0.0	0.0	55.9	56.2	59.1			
EVRAZ Regina - 528479		AE-134D CJ700 9453-V		MILL CONTROL		Rockwell A		OK	OD	54.9	0.0	0.0	58.5	0.0	0.0	58.5	0.0	0.0	0.0	57.9	0.0	0.0	56.6	0.0	0.0	55.8	58.2	58.5			
		AE-134D CJ700 9453-V		MILL CONTROL		Rockwell A		OK	ID	55.0	0.0	0.0	55.8	0.0	0.0	56.9	0.0	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	55.3	55.3	56.9			
EVRAZ Regina - 528480		AE-134D CJ670 9028-T		MILL CONTROL		Rockwell A		OK	OD	55.3	0.0	0.0	58.7	0.0	0.0	58.7	0.0	0.0	0.0	59.0	0.0	0.0	55.6	0.0	0.0	55.5	58.9	58.7			
		AE-134D CJ670 9028-T		MILL CONTROL		Rockwell A		OK	ID	55.2	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	0.0	55.7	0.0	0.0	55.8	0.0	0.0	55.5	55.1	56.7			
EVRAZ Regina - 528481		AE-134D CJ684 9218-T		MILL CONTROL		Rockwell A		OK	OD	56.4	0.0	0.0	57.9	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.5	58.1	58.6			
		AE-134D CJ684 9218-T		MILL CONTROL		Rockwell A		OK	ID	55.4	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	0.0	53.5	0.0	0.0	55.4	0.0	0.0	55.4	54.1	55.5			
		AE-134D CJ897 12344-F		SHIFT CONTROL		Rockwell A		OK	OD	56.1	0.0	0.0	57.1	0.0	0.0	57.6	0.0	0.0	0.0	57.6	0.0	0.0	57.1	0.0	0.0	56.6	57.4	57.6			
		AE-134D CJ897 12344-F		SHIFT CONTROL		Rockwell A		OK	ID	55.8	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	0.0	56.2	0.0	0.0	55.8	0.0	0.0	55.8	56.0	55.9			
EVRAZ Regina - 528482		AE-134D CJ689 9293-S		MILL CONTROL		Rockwell A		OK	OD	54.8	0.0	0.0	57.3	0.0	0.0	57.8	0.0	0.0	0.0	57.8	0.0	0.0	55.9	0.0	0.0	55.4	57.6	57.8			
		AE-134D CJ689 9293-S		MILL CONTROL		Rockwell A		OK	ID	54.5	0.0	0.0	53.4	0.0	0.0	55.5	0.0	0.0	0.0	53.4	0.0	0.0	54.7	0.0	0.0	54.6	53.4	55.5			
EVRAZ Regina - 528483		AE-134D CJ687 9263-V		MILL CONTROL		Rockwell A		OK	OD	55.0	0.0	0.0	57.7	0.0	0.0	57.8	0.0	0.0	0.0	57.1	0.0	0.0	55.9	0.0	0.0	55.5	57.4	57.8			
		AE-134D CJ687 9263-V		MILL CONTROL		Rockwell A		OK	ID	55.0	0.0	0.0	54.6	0.0	0.0	55.7	0.0	0.0	0.0	53.1	0.0	0.0	54.9	0.0	0.0	55.0	53.9	55.7			
EVRAZ Regina - 528533		AE-134D CJ811 11096-K		MILL CONTROL		Rockwell A		OK	OD	54.7	0.0	0.0	54.7	0.0	0.0	57.6	0.0	0.0	0.0	56.8	0.0	0.0	55.8	0.0	0.0	55.3	55.8	57.6			
		AE-134D CJ811 11096-K		MILL CONTROL		Rockwell A		OK	ID	53.5	0.0	0.0	54.5	0.0	0.0	56.3	0.0	0.0	0.0	55.6	0.0	0.0	55.8	0.0	0.0	54.7	55.1	56.3			
EVRAZ Regina - 528534		AE-134D CJ828 11351-K		MILL CONTROL		Rockwell A		OK	OD	55.3	0.0	0.0	58.8	0.0	0.0	58.9	0.0	0.0	0.0	59.2	0.0	0.0	56.3	0.0	0.0	55.8	59.0	58.9			
		AE-134D CJ828 11351-K		MILL CONTROL		Rockwell A		OK	ID	55.7	0.0	0.0	55.4	0.0	0.0	57.0	0.0	0.0	0.0	56.8	0.0	0.0	56.6	0.0	0.0	56.2	56.1	57.0			
EVRAZ Regina - 528535		AE-134D CJ874 12006-T		MILL CONTROL		Rockwell A		OK	OD	50.8	0.0	0.0	56.7	0.0	0.0	57.4	0.0	0.0	0.0	57.9	0.0	0.0	57.1	0.0	0.0	54.0	57.3	57.4			
		AE-134D CJ874 12006-T		MILL CONTROL		Rockwell A		OK	ID	52.4	0.0	0.0	55.4	0.0	0.0	56.6	0.0	0.0	0.0	56.5	0.0	0.0	56.7	0.0	0.0	54.6	56.0	56.6			
EVRAZ Regina - 528539		AE-134D CJ858 11770-L		MILL CONTROL		Rockwell A		OK	OD	55.6	0.0	0.0	58.0	0.0	0.0	58.2	0.0	0.0	0.0	57.6	0.0	0.0	56.6	0.0	0.0	56.1	57.8	58.2			
		AE-134D CJ858 11770-L		MILL CONTROL		Rockwell A		OK	ID	55.4	0.0	0.0	55.1	0.0	0.0	56.2	0.0	0.0	0.0	53.7	0.0	0.0	55.8	0.0	0.0	55.6	54.4	56.2			
		AE-134D CJ863 11841-F		MILL CONTROL		Rockwell A		OK	OD	56.0	0.0	0.0	55.8	0.0	0.0	58.2	0.0	0.0	0.0	58.0	0.0	0.0	56.2	0.0	0.0	56.1	56.9	58.2			
		AE-134D CJ863 11841-F		MILL CONTROL		Rockwell A		OK	ID	55.1	0.0	0.0	56.1	0.0	0.0	56.3	0.0	0.0	0.0	56.7	0.0	0.0	56.1	0.0	0.0	55.6	56.4	56.3			
EVRAZ Regina - 528540		AE-134D CJ926 12788-V		MILL CONTROL		Rockwell A		OK	OD	55.7	0.0	0.0	57.6	0.0	0.0	58.1	0.0	0.0	0.0	57.9	0.0	0.0	56.8	0.0	0.0	56.3	57.8	58.1			
		AE-134D CJ926 12788-V		MILL CONTROL		Rockwell A		OK	ID	53.0	0.0	0.0	54.2	0.0	0.0	56.1	0.0	0.0	0.0	53.7	0.0	0.0	56.1	0.0	0.0	54.6	54.0	56.1			
EVRAZ Regina - 528541		AE-134D CJ899 12378-T		MILL CONTROL		Rockwell A		OK	OD	56.0	0.0	0.0	57.3	0.0	0.0	58.8	0.0	0.0	0.0	57.6	0.0	0.0	56.0	0.0	0.0	56.0	57.5	58.8			
		AE-134D CJ899 12378-T		MILL CONTROL		Rockwell A		OK	ID	56.0	0.0	0.0	54.9	0.0	0.0	55.8	0.0	0.0	0.0	54.5	0.0	0.0	56.3	0.0	0.0	56.2	54.7	55.8			
EVRAZ Regina - 528542		AE-134D CJ934 12908-J		MILL CONTROL		Rockwell A		OK	OD	55.8	0.0	0.0	57.5	0.0	0.0	58.9	0.0	0.0	0.0	57.8	0.0	0.0	56.6	0.0	0.0	56.2	57.7	58.9			
		AE-134D CJ934 12908-J		MILL CONTROL		Rockwell A		OK	ID	54.7	0.0	0.0	54.7	0.0	0.0	56.7	0.0	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	55.3	54.6	56.7			
EVRAZ Regina - 528543		AE-134D CJ751 10202-L		MILL CONTROL		Rockwell A		OK	OD	56.7	0.0	0.0	56.8	0.0	0.0	58.1	0.0	0.0	0.0	57.9	0.0	0.0	56.4	0.0	0.0	56.6	57.4	58.1			
		AE-134D CJ751 10202-L		MILL CONTROL		Rockwell A		OK	ID	55.9	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	0.0	56.6	0.0	0.0	56.4	0.0	0.0	56.2	55.6	56.7			
EVRAZ Regina - 528544		AE-134D CJ906 12480-M		MILL CONTROL		Rockwell A		OK	OD	56.6	0.0	0.0	59.1	0.0	0.0	58.7	0.0	0.0	0.0	58.9	0.0	0.0	57.7	0.0	0.0	57.2	59.0	58.7			
		AE-134D CJ906 12480-M		MILL CONTROL		Rockwell A		OK	ID	56.8	0.0	0.0	56.0	0.0	0.0	56.9	0.0	0.0	0.0	56.8	0.0	0.0	57.6	0.0	0.0	57.2	56.4	56.9			
EVRAZ Regina - 528545		AE-134D CJ851 11687-S		MILL CONTROL		Rockwell A		OK	OD	56.2	0.0	0.0	56.6	0.0	0.0	57.3	0.0	0.0	0.0	57.4	0.0	0.0	53.7	0.0	0.0	55.0	57.0	57.3			
		AE-134D CJ851 11687-S		MILL CONTROL		Rockwell A		OK	ID	55.1	0.0	0.0	52.1	0.0	0.0	55.6	0.0	0.0	0.0	55.1	0.0	0.0	55.1	0.0	0.0	55.1	53.6	55.6			

 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																		Friday, April 20, 2018, 12:35:59																					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Certificate ID: 187579-2																					
																				Diameter: 323.9 mm						Wall Thickness: 9.500 mm						Grade: GR.414-2				Customer PO: APPL 45709					
																				Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																		Mill Order No: WA 054675-01			
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM		HAZ		WMZ				HAZ				PM			AVERAGES																		
																							PM	HAZ	WMZ																
EVRAZ Regina - 528634	AE-134D	CK045 13632-T	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.4	0.0	0.0	58.3	0.0	0.0	0.0	57.2	0.0	0.0	55.9	0.0	0.0	56.1	57.3	58.3																
	AE-134D	CK045 13632-T	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	54.5	0.0	0.0	56.2	0.0	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	55.4	54.4	56.2																
EVRAZ Regina - 528635	AE-134D	CK065 13931-S	MILL CONTROL	Rockwell A	OK	OD	48.8	0.0	0.0	52.1	0.0	0.0	57.1	0.0	0.0	0.0	57.8	0.0	0.0	53.1	0.0	0.0	51.0	55.0	57.1																
	AE-134D	CK065 13931-S	MILL CONTROL	Rockwell A	OK	ID	47.5	0.0	0.0	53.8	0.0	0.0	55.5	0.0	0.0	0.0	55.8	0.0	0.0	52.1	0.0	0.0	49.8	54.8	55.5																
EVRAZ Regina - 528636	AE-134D	CK183 15673-M	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.0	0.0	0.0	58.0	0.0	0.0	0.0	57.6	0.0	0.0	55.5	0.0	0.0	55.4	57.3	58.0																
	AE-134D	CK183 15673-M	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	53.3	0.0	0.0	55.4	0.0	0.0	0.0	53.6	0.0	0.0	55.4	0.0	0.0	55.3	53.5	55.4																
EVRAZ Regina - 528637	AE-134D	CK250 16668-T	MILL CONTROL	Rockwell A	OK	OD	53.6	0.0	0.0	53.9	0.0	0.0	57.6	0.0	0.0	0.0	57.1	0.0	0.0	55.4	0.0	0.0	54.5	55.5	57.6																
	AE-134D	CK250 16668-T	MILL CONTROL	Rockwell A	OK	ID	53.4	0.0	0.0	53.4	0.0	0.0	55.4	0.0	0.0	0.0	53.2	0.0	0.0	54.1	0.0	0.0	53.8	53.3	55.4																
EVRAZ Regina - 528638	AE-134D	CK139 15013-V	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	58.4	0.0	0.0	57.9	0.0	0.0	0.0	57.5	0.0	0.0	56.1	0.0	0.0	55.9	58.0	57.9																
	AE-134D	CK139 15013-V	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.5	0.0	0.0	56.2	0.0	0.0	0.0	54.1	0.0	0.0	55.8	0.0	0.0	55.6	54.3	56.2																
EVRAZ Regina - 528639	AE-134D	CK275 17046-F	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.3	0.0	0.0	58.4	0.0	0.0	0.0	58.1	0.0	0.0	56.7	0.0	0.0	56.6	57.7	58.4																
	AE-134D	CK275 17046-F	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	54.4	0.0	0.0	55.5	0.0	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	56.3	54.5	55.5																
	AE-134D	CK368 18398-K	MILL CONTROL	Rockwell A	OK	OD	57.2	0.0	0.0	58.2	0.0	0.0	57.6	0.0	0.0	0.0	55.4	0.0	0.0	55.6	0.0	0.0	56.4	56.8	57.6																
	AE-134D	CK368 18398-K	MILL CONTROL	Rockwell A	OK	ID	57.1	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	0.0	54.5	0.0	0.0	56.4	0.0	0.0	56.8	55.2	55.9																
EVRAZ Regina - 528679	AE-134D	CK338 17955-T	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.0	0.0	0.0	57.6	0.0	0.0	0.0	57.6	0.0	0.0	55.0	0.0	0.0	55.0	57.3	57.6																
	AE-134D	CK338 17955-T	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	53.5	0.0	0.0	54.7	0.0	0.0	0.0	55.0	0.0	0.0	55.0	0.0	0.0	55.0	54.3	54.7																
EVRAZ Regina - 528680	AE-134D	CK225 16306-S	MILL CONTROL	Rockwell A	OK	OD	53.5	0.0	0.0	56.5	0.0	0.0	57.9	0.0	0.0	0.0	58.3	0.0	0.0	57.0	0.0	0.0	55.3	57.4	57.9																
	AE-134D	CK225 16306-S	MILL CONTROL	Rockwell A	OK	ID	51.9	0.0	0.0	55.0	0.0	0.0	56.2	0.0	0.0	0.0	54.8	0.0	0.0	55.1	0.0	0.0	53.5	54.9	56.2																
EVRAZ Regina - 528681	AE-134D	CK285 17162-J	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.3	0.0	0.0	58.8	0.0	0.0	0.0	57.0	0.0	0.0	55.2	0.0	0.0	56.1	57.7	58.8																
	AE-134D	CK285 17162-J	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.5	0.0	0.0	56.7	0.0	0.0	0.0	54.4	0.0	0.0	56.1	0.0	0.0	56.4	55.5	56.7																
EVRAZ Regina - 528682	AE-134D	CK301 17405-L	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.8	0.0	0.0	58.7	0.0	0.0	0.0	58.1	0.0	0.0	56.3	0.0	0.0	56.3	58.0	58.7																
	AE-134D	CK301 17405-L	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	53.9	0.0	0.0	55.7	0.0	0.0	0.0	53.8	0.0	0.0	56.3	0.0	0.0	56.1	53.9	55.7																
	AE-136A	CK869 23613-N	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.1	0.0	0.0	57.8	0.0	0.0	0.0	57.5	0.0	0.0	55.5	0.0	0.0	55.2	57.3	57.8																
	AE-136A	CK869 23613-N	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	53.9	0.0	0.0	55.1	0.0	0.0	0.0	54.1	0.0	0.0	56.2	0.0	0.0	55.9	54.0	55.1																
EVRAZ Regina - 528683	AE-134D	CK189 15762-N	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	56.9	0.0	0.0	58.6	0.0	0.0	0.0	57.3	0.0	0.0	56.0	0.0	0.0	55.8	57.1	58.6																
	AE-134D	CK189 15762-N	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	53.9	0.0	0.0	55.8	0.0	0.0	0.0	54.0	0.0	0.0	54.8	0.0	0.0	55.3	54.0	55.8																
EVRAZ Regina - 528725	AE-134D	CK297 17345-J	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.4	0.0	0.0	58.3	0.0	0.0	0.0	57.9	0.0	0.0	56.6	0.0	0.0	56.3	57.7	58.3																
	AE-134D	CK297 17345-J	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.2	0.0	0.0	55.8	0.0	0.0	0.0	53.9	0.0	0.0	55.7	0.0	0.0	55.6	54.1	55.8																
EVRAZ Regina - 528726	AE-134D	CK199 15907-K	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.3	0.0	0.0	57.7	0.0	0.0	0.0	57.7	0.0	0.0	55.9	0.0	0.0	55.5	57.5	57.7																
	AE-134D	CK199 15907-K	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	56.2	0.0	0.0	56.5	0.0	0.0	0.0	55.7	0.0	0.0	56.5	0.0	0.0	56.1	56.0	56.5																
EVRAZ Regina - 528727	AE-134D	CK340 17985-V	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	57.4	0.0	0.0	58.5	0.0	0.0	0.0	58.4	0.0	0.0	56.1	0.0	0.0	55.6	57.9	58.5																
	AE-134D	CK340 17985-V	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.7	0.0	0.0	56.0	0.0	0.0	0.0	56.4	0.0	0.0	56.1	0.0	0.0	56.1	55.6	56.0																
EVRAZ Regina - 528728	AE-134D	CK261 16834-J	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	49.9	0.0	0.0	56.9	0.0	0.0	0.0	57.2	0.0	0.0	54.7	0.0	0.0	55.2	53.6	56.9																
	AE-134D	CK261 16834-J	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.9	0.0	0.0	55.9	0.0	0.0	0.0	55.2	0.0	0.0	56.3	0.0	0.0	55.9	55.6	55.9																
EVRAZ Regina - 528729	AE-134D	CK281 17114-S	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.5	0.0	0.0	57.8	0.0	0.0	0.0	57.4	0.0	0.0	55.9	0.0	0.0	55.8	57.5	57.8																
	AE-134D	CK281 17114-S	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	0.0	53.5	0.0	0.0	55.5	0.0	0.0	55.1	53.9	55.6																
EVRAZ Regina - 528768	AE-134D	CK487 20172-F	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	56.1	0.0	0.0	57.8	0.0	0.0	0.0	56.4	0.0	0.0	53.8	0.0	0.0	54.0	56.3	57.8																
	AE-134D	CK487 20172-F	MILL CONTROL	Rockwell A	OK	ID	53.0	0.0	0.0	53.2	0.0	0.0	55.5	0.0	0.0	0.0	53.1	0.0	0.0	54.4	0.0	0.0	53.7	53.2	55.5																
EVRAZ Regina - 528769	AE-134D	CK586 21653-N	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	58.3	0.0	0.0	58.0	0.0	0.0	0.0	55.7	0.0	0.0	56.3	0.0	0.0	55.6	57.0	58.0																
	AE-134D	CK586 21653-N	MILL CONTROL	Rockwell A	OK	ID	53.6	0.0	0.0	55.1	0.0	0.0	55.7	0.0	0.0	0.0	54.0	0.0	0.0	55.7	0.0	0.0	54.7	54.6	55.7																
EVRAZ Regina - 528772	AE-134D	CK408 18994-F	MILL CONTROL	Rockwell A	OK	OD	57.6	0.0	0.0	59.4	0.0	0.0	59.5	0.0	0.0	0.0	58.2	0.0	0.0	57.0	0.0	0.0	57.3	58.8	59.5																
	AE-134D	CK408 18994-F	MILL CONTROL	Rockwell A	OK	ID	57.7	0.0	0.0	56.9	0.0	0.0	57.3	0.0	0.0	0.0	55.0	0.0	0.0	57.1	0.0	0.0	57.4	56.0	57.3																
EVRAZ Regina - 528773	AE-134D	CK398 18845-H	MILL CONTROL	Rockwell A	OK	OD	51.5	0.0	0.0	52.8	0.0	0.0	57.3	0.0	0.0	0.0	55.6	0.0	0.0	53.9	0.0	0.0	52.7	54.2	57.3																
	AE-134D	CK398 18845-H	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.3	0.0	0.0	56.4	0.0	0.0	0.0	55.2	0.0	0.0	56.7	0.0	0.0	56.1	55.3	56.4																
EVRAZ Regina - 528807	AE-134D	CK503 20410-K	MILL CONTROL	Rockwell A	OK	OD	53.7	0.0	0.0	54.4	0.0	0.0	56.6	0.0	0.0	0.0	56.8	0.0	0.0	54.3	0.0	0.0	54.0																		

 Camrose ERW		EVRAZ Camrose																				Friday, April 20, 2018, 12:35:59			
		CERTIFICATE OF TESTING																							
		Macro Hardness																							
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																							
					Diameter: 323.9 mm					Wall Thickness: 9.500 mm					Grade: GR.414-2					Mill Order No: WA 054675-01					
					Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements																				
Supplier - Heat		Product ID		Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES		
																							PM	HAZ	WMZ
EVRAZ Regina - 528854	AE-136A	CK870 23628-F	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.5	0.0	0.0	58.2	0.0	0.0	0.0	56.5	0.0	0.0	56.0	0.0	0.0	56.1	57.0	58.2
	AE-136A	CK870 23628-F	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	54.9	0.0	0.0	55.2	0.0	0.0	0.0	54.1	0.0	0.0	55.9	0.0	0.0	56.2	54.5	55.2
	AE-134D	CK562 21281-N	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	58.0	0.0	0.0	57.8	0.0	0.0	0.0	56.3	0.0	0.0	56.5	0.0	0.0	56.6	57.2	57.8
	AE-134D	CK562 21281-N	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	0.0	54.3	0.0	0.0	57.4	0.0	0.0	56.6	55.2	55.8
	AE-136A	CK809 22729-F	MILL CONTROL	Rockwell A	OK	OD	53.1	0.0	0.0	53.7	0.0	0.0	56.8	0.0	0.0	0.0	57.1	0.0	0.0	53.6	0.0	0.0	53.4	55.4	56.8
EVRAZ Regina - 528855	AE-136A	CK809 22729-F	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	51.9	0.0	0.0	53.8	0.0	0.0	0.0	54.5	0.0	0.0	52.7	0.0	0.0	53.9	53.2	53.8
	AE-134D	CK606 21951-L	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.5	0.0	0.0	57.5	0.0	0.0	0.0	55.6	0.0	0.0	55.5	0.0	0.0	55.4	56.6	57.5
	AE-134D	CK606 21951-L	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.5	0.0	0.0	55.4	0.0	0.0	0.0	53.2	0.0	0.0	54.6	0.0	0.0	55.0	53.9	55.4
EVRAZ Regina - 528864	AE-134D	CK527 20762-N	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.2	0.0	0.0	58.9	0.0	0.0	0.0	57.5	0.0	0.0	56.4	0.0	0.0	56.3	57.9	58.9
	AE-134D	CK527 20762-N	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	56.0	0.0	0.0	57.2	0.0	0.0	0.0	54.8	0.0	0.0	56.2	0.0	0.0	56.4	55.4	57.2
EVRAZ Regina - 528865	AE-134D	CK458 19741-M	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	58.1	0.0	0.0	58.7	0.0	0.0	0.0	58.6	0.0	0.0	56.6	0.0	0.0	56.3	58.4	58.7
	AE-134D	CK458 19741-M	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	55.1	0.0	0.0	56.7	0.0	0.0	0.0	56.1	0.0	0.0	55.7	0.0	0.0	55.8	55.6	56.7
	AE-136A	CK902 24098-K	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.1	0.0	0.0	58.3	0.0	0.0	0.0	58.1	0.0	0.0	56.1	0.0	0.0	55.9	58.1	58.3
	AE-136A	CK902 24098-K	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.1	0.0	0.0	55.5	0.0	0.0	55.7	54.2	56.0
EVRAZ Regina - 528866	AE-134D	CK582 21590-K	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	47.4	0.0	0.0	57.4	0.0	0.0	0.0	55.0	0.0	0.0	51.7	0.0	0.0	53.3	51.2	57.4
	AE-134D	CK582 21590-K	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	55.7	0.0	0.0	56.2	0.0	0.0	0.0	54.2	0.0	0.0	56.0	0.0	0.0	55.9	55.0	56.2
	AE-136A	CK904 24128-L	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.6	0.0	0.0	59.0	0.0	0.0	0.0	58.4	0.0	0.0	56.5	0.0	0.0	56.1	58.0	59.0
	AE-136A	CK904 24128-L	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	54.6	0.0	0.0	56.0	0.0	0.0	0.0	54.8	0.0	0.0	56.1	0.0	0.0	56.3	54.7	56.0
EVRAZ Regina - 528867	AE-134D	CK599 21848-K	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.7	0.0	0.0	58.1	0.0	0.0	0.0	56.5	0.0	0.0	56.1	0.0	0.0	55.7	57.1	58.1
	AE-134D	CK599 21848-K	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.1	0.0	0.0	55.6	0.0	0.0	0.0	53.0	0.0	0.0	54.9	0.0	0.0	55.2	54.1	55.6
	AE-136A	CL111 27135-N	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.0	0.0	0.0	57.6	0.0	0.0	0.0	56.9	0.0	0.0	54.5	0.0	0.0	54.8	57.0	57.6
	AE-136A	CL111 27135-N	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.3	0.0	0.0	55.4	0.0	0.0	0.0	54.5	0.0	0.0	54.7	0.0	0.0	54.8	54.4	55.4
EVRAZ Regina - 528868	AE-134D	CK551 21121-F	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	54.3	0.0	0.0	57.3	0.0	0.0	0.0	56.8	0.0	0.0	49.0	0.0	0.0	51.6	55.6	57.3
	AE-134D	CK551 21121-F	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	0.0	55.8	0.0	0.0	56.1	0.0	0.0	55.2	55.1	56.0
EVRAZ Regina - 528885	AE-136A	CL015 25702-V	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.7	0.0	0.0	57.9	0.0	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	56.3	57.7	57.9
	AE-136A	CL015 25702-V	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	0.0	55.8	0.0	0.0	56.1	0.0	0.0	56.0	55.5	56.0
EVRAZ Regina - 528886	AE-136A	CK987 25309-T	MILL CONTROL	Rockwell A	OK	OD	49.4	0.0	0.0	54.1	0.0	0.0	56.5	0.0	0.0	0.0	56.9	0.0	0.0	45.2	0.0	0.0	47.3	55.5	56.5
	AE-136A	CK987 25309-T	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.0	0.0	0.0	56.4	0.0	0.0	0.0	56.8	0.0	0.0	54.4	0.0	0.0	55.5	56.4	56.4
EVRAZ Regina - 528887	AE-136A	CK829 23021-L	MILL CONTROL	Rockwell A	OK	OD	53.0	0.0	0.0	54.9	0.0	0.0	56.8	0.0	0.0	0.0	56.1	0.0	0.0	51.6	0.0	0.0	52.3	55.5	56.8
	AE-136A	CK829 23021-L	MILL CONTROL	Rockwell A	OK	ID	46.4	0.0	0.0	51.9	0.0	0.0	54.8	0.0	0.0	0.0	53.6	0.0	0.0	53.4	0.0	0.0	49.9	52.8	54.8
EVRAZ Regina - 528888	AE-136A	CK812 22771-N	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	55.4	0.0	0.0	56.9	0.0	0.0	0.0	56.7	0.0	0.0	54.1	0.0	0.0	55.0	56.1	56.9
	AE-136A	CK812 22771-N	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	53.8	0.0	0.0	55.0	0.0	0.0	0.0	55.6	0.0	0.0	55.2	0.0	0.0	55.6	54.7	55.0
EVRAZ Regina - 528915	AE-136A	CK937 24585-K	MILL CONTROL	Rockwell A	OK	OD	51.8	0.0	0.0	51.7	0.0	0.0	56.6	0.0	0.0	0.0	56.6	0.0	0.0	49.1	0.0	0.0	50.5	54.2	56.6
	AE-136A	CK937 24585-K	MILL CONTROL	Rockwell A	OK	ID	53.9	0.0	0.0	54.8	0.0	0.0	56.0	0.0	0.0	0.0	56.0	0.0	0.0	56.9	0.0	0.0	55.4	55.4	56.0
EVRAZ Regina - 528916	AE-136A	CL060 26373-F	MILL CONTROL	Rockwell A	OK	OD	50.2	0.0	0.0	48.0	0.0	0.0	56.4	0.0	0.0	0.0	56.5	0.0	0.0	49.4	0.0	0.0	49.8	52.3	56.4
	AE-136A	CL060 26373-F	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	55.2	0.0	0.0	56.3	0.0	0.0	0.0	55.9	0.0	0.0	50.5	0.0	0.0	52.4	55.6	56.3
EVRAZ Regina - 528918	AE-136A	CL037 26033-S	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.1	0.0	0.0	57.5	0.0	0.0	0.0	57.5	0.0	0.0	56.1	0.0	0.0	56.4	57.3	57.5
	AE-136A	CL037 26033-S	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	55.7	0.0	0.0	56.3	0.0	0.0	0.0	55.5	0.0	0.0	56.6	0.0	0.0	56.6	55.6	56.3
EVRAZ Regina - 528919	AE-136A	CK919 24343-S	MILL CONTROL	Rockwell A	OK	OD	49.0	0.0	0.0	53.3	0.0	0.0	58.5	0.0	0.0	0.0	58.8	0.0	0.0	55.3	0.0	0.0	52.2	56.1	58.5
	AE-136A	CK919 24343-S	MILL CONTROL	Rockwell A	OK	ID	54.0	0.0	0.0	56.2	0.0	0.0	57.3	0.0	0.0	0.0	56.9	0.0	0.0	55.5	0.0	0.0	54.8	56.6	57.3
EVRAZ Regina - 528920	AE-136A	CL085 26750-L	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.0	0.0	0.0	57.5	0.0	0.0	0.0	57.6	0.0	0.0	55.0	0.0	0.0	54.9	57.3	57.5
	AE-136A	CL085 26750-L	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	53.8	0.0	0.0	55.7	0.0	0.0	0.0	54.8	0.0	0.0	55.3	0.0	0.0	55.2	54.3	55.7
EVRAZ Regina - 528948	AE-136A	CL050 26233-F	MILL CONTROL	Rockwell A	OK	OD	50.4	0.0	0.0	58.0	0.0	0.0	58.5	0.0	0.0	0.0	58.8	0.0	0.0	55.5	0.0	0.0	53.0	58.4	58.5
	AE-136A	CL050 26233-F	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.2	0.0	0.0	56.7	0.0	0.0	0.0	56.8	0.0	0.0	56.4	0.0	0.0	56.2	56.0	56.7
EVRAZ Regina - 528949	AE-136A	CK877 23729-M	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	55.4	0.0	0.0	56.8	0.0	0.0	0.0	56.5	0.0	0.0	55.8	0.0	0.0	56.0	56.0	56.8
	AE-136A	CK877 23729-M	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	53.4	0.0	0.0	55.1	0.0	0.0	0.0	55.0	0.0	0.0	56.8	0.0	0.0	56.7	54.0	55.1
EVRAZ Regina - 528950	AE-136																								

 Camrose ERW		EVRAZ Camrose CERTIFICATE OF TESTING Macro Hardness																		Friday, April 20, 2018, 12:35:59					
																				Certificate ID: 187579-2					
																				Customer PO: APPL 45709					
		Customer: ALBERTA PRODUCTS PIPE LINE LTD.																		Mill Order No: WA 054675-01					
		Diameter: 323.9 mm						Wall Thickness: 9.500 mm						Grade: GR.414-2						Specification: CSA Z245.1-14 GRADE 414 CAT II MSC, APPL Spec A00-10-STD-0002 Rev. 2, TSR 152197Rev. 2 and related agreements					
Supplier - Heat	Product ID	Test Type	Scale	MS	Location	PM			HAZ			WMZ			HAZ			PM			AVERAGES				
																				PM	HAZ	WMZ			
EVRAZ Regina - 529036	AE-136A CK837 23134-N	MILL CONTROL	Rockwell A	OK	OD	47.3	0.0	0.0	45.3	0.0	0.0	54.7	0.0	0.0	0.0	55.3	0.0	0.0	45.8	0.0	0.0	46.6	50.3	54.7	
	AE-136A CK837 23134-N	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.7	0.0	0.0	55.4	0.0	0.0	0.0	55.2	0.0	0.0	56.4	0.0	0.0	55.8	55.5	55.4	
EVRAZ Regina - 529037	AE-136A CK848 23296-T	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	0.0	57.3	0.0	0.0	56.3	0.0	0.0	55.8	57.0	57.3	
	AE-136A CK848 23296-T	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	54.7	0.0	0.0	55.4	0.0	0.0	0.0	55.8	0.0	0.0	55.8	0.0	0.0	55.5	55.3	55.4	
EVRAZ Regina - 529038	AE-136A CK855 23398-M	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.0	0.0	0.0	58.0	0.0	0.0	0.0	58.2	0.0	0.0	55.2	0.0	0.0	55.8	58.1	58.0	
	AE-136A CK855 23398-M	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.1	0.0	0.0	56.2	0.0	0.0	0.0	55.2	0.0	0.0	56.4	0.0	0.0	56.3	54.7	56.2	
EVRAZ Regina - 529092	AE-136A CK969 25050-S	MILL CONTROL	Rockwell A	OK	OD	43.4	0.0	0.0	42.1	0.0	0.0	56.2	0.0	0.0	0.0	56.1	0.0	0.0	45.1	0.0	0.0	44.3	49.1	56.2	
	AE-136A CK969 25050-S	MILL CONTROL	Rockwell A	OK	ID	42.8	0.0	0.0	49.5	0.0	0.0	54.1	0.0	0.0	0.0	53.9	0.0	0.0	51.3	0.0	0.0	47.1	51.7	54.1	
EVRAZ Regina - 529171	AE-136A CL145 27626-L	MILL CONTROL	Rockwell A	OK	OD	48.9	0.0	0.0	58.3	0.0	0.0	58.1	0.0	0.0	0.0	57.4	0.0	0.0	51.3	0.0	0.0	50.1	57.9	58.1	
	AE-136A CL145 27626-L	MILL CONTROL	Rockwell A	OK	ID	50.6	0.0	0.0	51.9	0.0	0.0	56.8	0.0	0.0	0.0	52.8	0.0	0.0	55.8	0.0	0.0	53.2	52.4	56.8	
EVRAZ Regina - 529172	AE-136A CL142 27581-J	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	58.0	0.0	0.0	58.6	0.0	0.0	0.0	58.5	0.0	0.0	56.0	0.0	0.0	55.8	58.3	58.6	
	AE-136A CL142 27581-J	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.6	0.0	0.0	56.2	0.0	0.0	0.0	54.5	0.0	0.0	56.0	0.0	0.0	55.8	55.1	56.2	
EVRAZ Regina - 529173	AE-136A CL151 27711-K	MILL CONTROL	Rockwell A	OK	OD	53.7	0.0	0.0	54.4	0.0	0.0	57.6	0.0	0.0	0.0	57.8	0.0	0.0	50.6	0.0	0.0	52.2	56.1	57.6	
	AE-136A CL151 27711-K	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.5	0.0	0.0	57.0	0.0	0.0	0.0	56.6	0.0	0.0	56.6	0.0	0.0	56.1	55.6	57.0	
MS - Micro Structure FBN - Full Body Normalized Q&T - Quenched and Tempered SR - Stress Relieve AQ - As Quenched		Flattening Test Acceptable Ultrasonic Weld Line Inspection Acceptable High Frequency Electric Welded Deoxidization Practice: Aluminum Fully Killed UT Cal. to 1/8" Drilled Hole and/or N50 ID/OD Notches Root Guided Bend Test Acceptable FLV1 - Full length Visual Melted & Manufactured in Canada Yield Strength: 0.5% EUL Steelmaking and Rolling at EVRAZ Regina Steel										23100 KPA for 10 secs Minimum Weld Seam Heat Treatment Temperature: 900 (C)   Jamie Mohler													

form crtr3006XL

Chemistry Data																								
Supplier - Heat		The information in this worksheet is modifiable.																						
		Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409002				Heat:	0.04	1.33	0.01	0.002	0.1	0.29	0.11	0.12	0.09	0.011	0.045	0	0.07	0.01	0.02	0.0003	0.21	0.0016	0.001	0.044
EVRAZ Regina - 409002		AE-134D	V0005	Product:	0.04	1.33	0.01	0.002	0.1	0.28	0.11	0.12	0.1	0.011	0.046	0	0.07	0.01	0.02	0.0001	0.21	0.0018	0	0.044
EVRAZ Regina - 409002		AE-134D	W0005	Product:	0.04	1.34	0.01	0.002	0.1	0.28	0.11	0.12	0.1	0.011	0.046	0	0.07	0.01	0.02	0.0001	0.21	0.0018	0	0.044
EVRAZ Regina - 409003				Heat:	0.04	1.33	0.009	0.003	0.13	0.3	0.13	0.07	0.04	0.012	0.044	0	0.07	0.009	0.02	0.0002	0.19	0.0013	0.002	0.043
EVRAZ Regina - 409003		AE-134D	V0002	Product:	0.05	1.34	0.009	0.003	0.14	0.29	0.13	0.08	0.04	0.012	0.047	0	0.07	0.009	0.02	0.0001	0.2	0.002	0	0.041
EVRAZ Regina - 409003		AE-134D	W0002	Product:	0.05	1.35	0.008	0.003	0.14	0.28	0.12	0.08	0.04	0.012	0.049	0	0.07	0.009	0.02	0.0001	0.2	0.0018	0	0.045
EVRAZ Regina - 409004				Heat:	0.05	1.37	0.01	0.004	0.17	0.24	0.11	0.07	0.04	0.009	0.05	0	0.07	0.011	0.02	0.0003	0.2	0.0013	0.002	0.049
EVRAZ Regina - 409004		AE-134D	V0016	Product:	0.05	1.39	0.009	0.004	0.18	0.24	0.1	0.07	0.04	0.009	0.053	0	0.07	0.011	0.02	0.0001	0.21	0.0013	0	0.048
EVRAZ Regina - 409004		AE-134D	W0016	Product:	0.05	1.39	0.009	0.004	0.18	0.24	0.1	0.07	0.04	0.009	0.053	0	0.07	0.011	0.02	0.0001	0.21	0.0016	0	0.048
EVRAZ Regina - 409005				Heat:	0.04	1.33	0.009	0.003	0.17	0.26	0.12	0.07	0.04	0.009	0.037	0	0.07	0.01	0.02	0.0003	0.2	0.0018	0.002	0.036
EVRAZ Regina - 409005		AE-134D	V0022	Product:	0.05	1.37	0.009	0.003	0.17	0.25	0.12	0.07	0.04	0.01	0.039	0	0.07	0.011	0.02	0.0001	0.2	0.0018	0	0.035
EVRAZ Regina - 409005		AE-134D	W0022	Product:	0.05	1.34	0.008	0.002	0.17	0.25	0.12	0.07	0.04	0.009	0.039	0	0.07	0.011	0.02	0.0001	0.2	0.0018	0	0.034
EVRAZ Regina - 409006				Heat:	0.04	1.35	0.009	0.002	0.17	0.24	0.11	0.1	0.04	0.009	0.039	0	0.07	0.01	0.02	0.0003	0.2	0.0012	0.002	0.038
EVRAZ Regina - 409006		AE-134D	W0032	Product:	0.04	1.33	0.008	0.002	0.17	0.24	0.1	0.1	0.04	0.009	0.039	0	0.06	0.011	0.02	0.0003	0.19	0.0012	0	0.036
EVRAZ Regina - 409006		AE-134D	W0033	Product:	0.04	1.34	0.008	0.002	0.17	0.24	0.1	0.1	0.04	0.009	0.04	0	0.07	0.01	0.02	0.0004	0.2	0.0015	0	0.035
EVRAZ Regina - 409036				Heat:	0.04	1.39	0.011	0.004	0.19	0.29	0.33	0.11	0.07	0.01	0.04	0	0.07	0.009	0.01	0.0003	0.22	0.0034	0.002	0.039
EVRAZ Regina - 409036		AE-134D	V0006	Product:	0.05	1.39	0.011	0.004	0.19	0.28	0.34	0.11	0.07	0.011	0.043	0	0.07	0.009	0.01	0.0003	0.22	0.0028	0	0.04
EVRAZ Regina - 409036		AE-134D	W0006	Product:	0.05	1.39	0.011	0.004	0.19	0.29	0.34	0.11	0.07	0.011	0.043	0	0.07	0.009	0.01	0.0003	0.22	0.0027	0	0.04
EVRAZ Regina - 409037				Heat:	0.04	1.36	0.01	0.003	0.14	0.29	0.21	0.11	0.05	0.012	0.041	0	0.07	0.01	0.01	0.0003	0.21	0.0019	0.002	0.04
EVRAZ Regina - 409037		AE-134D	V0009	Product:	0.05	1.34	0.01	0.003	0.14	0.29	0.2	0.12	0.05	0.011	0.045	0	0.07	0.01	0.01	0.0003	0.21	0.0017	0	0.041
EVRAZ Regina - 409037		AE-134D	W0009	Product:	0.05	1.35	0.011	0.003	0.15	0.29	0.21	0.12	0.05	0.012	0.044	0	0.07	0.01	0.01	0.0003	0.21	0.0017	0	0.04
EVRAZ Regina - 409038				Heat:	0.04	1.33	0.011	0.004	0.13	0.27	0.14	0.09	0.04	0.009	0.042	0	0.07	0.01	0.02	0.0003	0.2	0.0017	0.002	0.041
EVRAZ Regina - 409038		AE-134D	V0016	Product:	0.04	1.35	0.011	0.003	0.14	0.26	0.15	0.1	0.05	0.009	0.045	0	0.07	0.01	0.02	0.0002	0.2	0.0015	0	0.04
EVRAZ Regina - 409038		AE-134D	W0016	Product:	0.04	1.34	0.011	0.004	0.14	0.26	0.15	0.1	0.05	0.009	0.045	0	0.07	0.01	0.02	0.0002	0.2	0.0017	0	0.041
EVRAZ Regina - 409039				Heat:	0.05	1.33	0.009	0.004	0.14	0.28	0.12	0.06	0.04	0.01	0.04	0	0.07	0.011	0.02	0.0003	0.21	0.0019	0.002	0.038
EVRAZ Regina - 409039		AE-134D	V0022	Product:	0.05	1.34	0.008	0.004	0.14	0.26	0.12	0.07	0.04	0.011	0.044	0	0.07	0.011	0.02	0.0002	0.2	0.0018	0	0.04
EVRAZ Regina - 409039		AE-134D	W0022	Product:	0.05	1.34	0.008	0.004	0.14	0.27	0.12	0.07	0.04	0.01	0.044	0	0.07	0.011	0.02	0.0002	0.2	0.0014	0	0.04
EVRAZ Regina - 409040				Heat:	0.05	1.34	0.011	0.002	0.16	0.27	0.11	0.07	0.04	0.01	0.039	0	0.07	0.01	0.02	0.0003	0.2	0.002	0.002	0.037
EVRAZ Regina - 409040		AE-134D	V0029	Product:	0.04	1.34	0.011	0.001	0.17	0.26	0.11	0.07	0.04	0.011	0.044	0	0.08	0.009	0.02	0.0003	0.2	0.0024	0	0.04
EVRAZ Regina - 409040		AE-134D	W0029	Product:	0.04	1.34	0.011	0.002	0.17	0.26	0.11	0.07	0.04	0.011	0.044	0	0.07	0.01	0.02	0.0002	0.2	0.002	0	0.04
EVRAZ Regina - 409099				Heat:	0.05	1.37	0.01	0.004	0.14	0.26	0.19	0.09	0.06	0.01	0.035	0	0.07	0.009	0.02	0.0003	0.21	0.002	0.002	0.034
EVRAZ Regina - 409099		AE-134D	V0006	Product:	0.04	1.38	0.01	0.004	0.14	0.25	0.19	0.09	0.07	0.011	0.039	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0	0.035
EVRAZ Regina - 409099		AE-134D	W0006	Product:	0.04	1.36	0.01	0.004	0.14	0.25	0.19	0.09	0.07	0.01	0.038	0	0.07	0.009	0.02	0.0002	0.21	0.0017	0	0.035
EVRAZ Regina - 409100				Heat:	0.05	1.34	0.009	0.003	0.15	0.25	0.12	0.08	0.04	0.009	0.036	0	0.07	0.012	0.01	0.0002	0.2	0.0017	0.002	0.035
EVRAZ Regina - 409100		AE-134D	V0012	Product:	0.04	1.35	0.01	0.003	0.15	0.25	0.12	0.09	0.04	0.01	0.04	0	0.07	0.012	0.01	0.0002	0.2	0.0015	0	0.037
EVRAZ Regina - 409100		AE-134D	W0012	Product:	0.04	1.35	0.009	0.003	0.15	0.25	0.12	0.09	0.04	0.01	0.04	0	0.07	0.012	0.01	0.0002	0.2	0.0015	0	0.035
EVRAZ Regina - 409101				Heat:	0.05	1.33	0.009	0.003	0.18	0.28	0.14	0.09	0.04	0.01	0.048	0	0.07	0.012	0.02	0.0003	0.2	0.0015	0.001	0.047
EVRAZ Regina - 409101		AE-134D	V0019	Product:	0.04	1.33	0.009	0.003	0.18	0.28	0.14	0.09	0.05	0.011	0.05	0	0.07	0.012	0.02	0.0002	0.2	0.0015	0	0.046
EVRAZ Regina - 409101		AE-134D	W0019	Product:	0.04	1.34	0.009	0.003	0.18	0.28	0.14	0.09	0.05	0.011	0.05	0	0.07	0.012	0.02	0.0002	0.2	0.0015	0	0.045
EVRAZ Regina - 409102				Heat:	0.04	1.33	0.01	0.002	0.18	0.3	0.18	0.08	0.06	0.009	0.038	0	0.07	0.012	0.02	0.0002	0.2	0.0016	0.001	0.037
EVRAZ Regina - 409102		AE-134D	V0026	Product:	0.05	1.33	0.01	0.002	0.18	0.29	0.18	0.08	0.06	0.01	0.041	0	0.07	0.012	0.02	0.0002	0.21	0.0015	0	0.039
EVRAZ Regina - 409102		AE-134D	W0026	Product:	0.05	1.32	0.009	0.002	0.18	0.29	0.17	0.												

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409210	AE-134D	W0009	Product:	0.05	1.34	0.008	0.004	0.18	0.28	0.12	0.08	0.03	0.012	0.037	0	0.06	0.008	0.02	0.0002	0.21	0.0027	0.002	0.036
EVRAZ Regina - 409211			Heat:	0.05	1.33	0.009	0.005	0.21	0.27	0.14	0.1	0.05	0.012	0.038	0	0.07	0.007	0.02	0.0003	0.21	0.0028	0	0.038
EVRAZ Regina - 409211	AE-134D	V0012	Product:	0.05	1.33	0.009	0.005	0.21	0.28	0.14	0.1	0.05	0.012	0.035	0	0.07	0.007	0.02	0.0003	0.21	0.0029	0.001	0.034
EVRAZ Regina - 409211	AE-134D	W0012	Product:	0.05	1.32	0.008	0.006	0.21	0.28	0.14	0.1	0.05	0.012	0.035	0	0.07	0.007	0.02	0.0003	0.21	0.003	0.001	0.035
EVRAZ Regina - 409212			Heat:	0.05	1.33	0.009	0.003	0.2	0.25	0.15	0.12	0.06	0.011	0.047	0	0.07	0.011	0.02	0.0003	0.21	0.0028	0.001	0.046
EVRAZ Regina - 409212	AE-134D	V0016	Product:	0.05	1.34	0.009	0.003	0.2	0.25	0.16	0.12	0.06	0.011	0.045	0	0.07	0.011	0.02	0.0002	0.21	0.0028	0.001	0.042
EVRAZ Regina - 409212	AE-134D	W0016	Product:	0.05	1.35	0.009	0.003	0.2	0.25	0.16	0.12	0.06	0.012	0.045	0	0.07	0.011	0.03	0.0002	0.21	0.0024	0.002	0.044
EVRAZ Regina - 409213			Heat:	0.05	1.36	0.01	0.005	0.24	0.25	0.11	0.12	0.04	0.01	0.05	0	0.07	0.012	0.02	0.0003	0.22	0.0025	0	0.049
EVRAZ Regina - 409213	AE-134D	704	Product:	0.05	1.34	0.01	0.004	0.24	0.24	0.11	0.12	0.04	0.011	0.052	0	0.07	0.011	0.02	0.0002	0.21	0.002	0	0.05
EVRAZ Regina - 409213	AE-134D	790	Product:	0.05	1.34	0.01	0.004	0.24	0.24	0.11	0.12	0.04	0.011	0.052	0	0.07	0.011	0.02	0.0002	0.21	0.002	0	0.05
EVRAZ Regina - 409214			Heat:	0.05	1.34	0.009	0.002	0.2	0.25	0.13	0.11	0.04	0.011	0.04	0	0.07	0.01	0.02	0.0003	0.21	0.0031	0	0.039
EVRAZ Regina - 409214	AE-134D	V0009	Product:	0.04	1.34	0.009	0.002	0.19	0.24	0.14	0.12	0.04	0.012	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0029	0	0.04
EVRAZ Regina - 409214	AE-134D	W0009	Product:	0.05	1.35	0.009	0.002	0.19	0.25	0.14	0.12	0.04	0.012	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0024	0	0.04
EVRAZ Regina - 409243			Heat:	0.05	1.35	0.012	0.005	0.15	0.35	0.12	0.11	0.05	0.011	0.045	0	0.07	0.01	0.02	0.0003	0.22	0.0023	0.003	0.044
EVRAZ Regina - 409243	AE-134D	V0009	Product:	0.05	1.35	0.011	0.005	0.15	0.34	0.12	0.11	0.05	0.012	0.047	0	0.07	0.01	0.02	0.0002	0.22	0.0026	0	0.045
EVRAZ Regina - 409243	AE-134D	W0009	Product:	0.05	1.36	0.011	0.005	0.15	0.34	0.12	0.11	0.05	0.012	0.047	0	0.07	0.011	0.02	0.0002	0.22	0.002	0	0.045
EVRAZ Regina - 409244			Heat:	0.05	1.36	0.01	0.004	0.16	0.3	0.09	0.1	0.03	0.011	0.04	0	0.07	0.012	0.02	0.0003	0.21	0.0014	0.003	0.039
EVRAZ Regina - 409244	AE-134D	V0016	Product:	0.05	1.37	0.01	0.004	0.16	0.3	0.09	0.1	0.03	0.011	0.041	0	0.06	0.013	0.02	0.0003	0.21	0.0017	0.003	0.038
EVRAZ Regina - 409244	AE-134D	W0016	Product:	0.05	1.37	0.01	0.004	0.16	0.3	0.09	0.1	0.03	0.011	0.041	0	0.07	0.012	0.02	0.0003	0.21	0.0017	0.003	0.038
EVRAZ Regina - 409267			Heat:	0.04	1.37	0.01	0.005	0.11	0.27	0.13	0.09	0.05	0.01	0.036	0	0.07	0.009	0.02	0.0002	0.2	0.0022	0.001	0.035
EVRAZ Regina - 409267	AE-134D	V0006	Product:	0.04	1.38	0.01	0.005	0.12	0.27	0.13	0.09	0.05	0.011	0.037	0	0.07	0.009	0.02	0.0001	0.21	0.0016	0	0.034
EVRAZ Regina - 409267	AE-134D	W0006	Product:	0.04	1.38	0.01	0.005	0.12	0.26	0.13	0.09	0.05	0.01	0.037	0	0.07	0.01	0.02	0.0001	0.2	0.0015	0	0.033
EVRAZ Regina - 409268			Heat:	0.05	1.33	0.01	0.004	0.14	0.3	0.12	0.09	0.05	0.011	0.034	0	0.07	0.009	0.02	0.0002	0.2	0.002	0.001	0.033
EVRAZ Regina - 409268	AE-134D	V0012	Product:	0.05	1.32	0.009	0.004	0.14	0.29	0.12	0.09	0.05	0.011	0.035	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0	0.031
EVRAZ Regina - 409268	AE-134D	W0012	Product:	0.05	1.33	0.009	0.004	0.15	0.29	0.12	0.09	0.05	0.012	0.035	0	0.07	0.009	0.02	0.0002	0.2	0.0019	0	0.03
EVRAZ Regina - 409269			Heat:	0.05	1.37	0.009	0.004	0.12	0.28	0.13	0.07	0.05	0.011	0.042	0	0.07	0.011	0.02	0.0003	0.21	0.0023	0.001	0.04
EVRAZ Regina - 409269	AE-134D	V0019	Product:	0.05	1.35	0.009	0.004	0.12	0.28	0.13	0.07	0.05	0.012	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.0022	0	0.041
EVRAZ Regina - 409269	AE-134D	W0019	Product:	0.04	1.36	0.009	0.004	0.12	0.27	0.13	0.07	0.05	0.011	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.0021	0	0.042
EVRAZ Regina - 409270			Heat:	0.05	1.39	0.009	0.001	0.22	0.28	0.1	0.07	0.04	0.011	0.043	0	0.07	0.011	0.02	0.0003	0.21	0.0015	0.001	0.042
EVRAZ Regina - 409270	AE-134D	V0023	Product:	0.05	1.39	0.009	0.001	0.22	0.28	0.1	0.07	0.04	0.012	0.045	0	0.07	0.011	0.02	0.0002	0.21	0.0014	0	0.042
EVRAZ Regina - 409270	AE-134D	W0023	Product:	0.05	1.38	0.008	0.001	0.23	0.28	0.1	0.07	0.04	0.011	0.046	0	0.07	0.011	0.02	0.0002	0.21	0.0016	0	0.043
EVRAZ Regina - 409271			Heat:	0.04	1.34	0.009	0.003	0.22	0.27	0.1	0.1	0.04	0.011	0.038	0	0.07	0.011	0.02	0.0003	0.2	0.0017	0.001	0.037
EVRAZ Regina - 409271	AE-134D	V0030	Product:	0.05	1.32	0.009	0.002	0.22	0.26	0.1	0.1	0.04	0.011	0.039	0	0.07	0.011	0.02	0.0002	0.2	0.0015	0	0.037
EVRAZ Regina - 409271	AE-134D	W0030	Product:	0.04	1.31	0.009	0.002	0.22	0.26	0.1	0.1	0.04	0.011	0.039	0	0.07	0.009	0.02	0.0002	0.2	0.0015	0	0.037
EVRAZ Regina - 409272			Heat:	0.04	1.37	0.009	0.002	0.2	0.28	0.12	0.08	0.05	0.011	0.044	0	0.07	0.011	0.02	0.0003	0.2	0.002	0.001	0.04
EVRAZ Regina - 409272	AE-134D	V0040	Product:	0.04	1.35	0.008	0.002	0.2	0.27	0.12	0.08	0.05	0.011	0.047	0	0.07	0.011	0.02	0.0002	0.2	0.002	0	0.045
EVRAZ Regina - 409272	AE-134D	W0040	Product:	0.04	1.36	0.008	0.002	0.2	0.27	0.12	0.08	0.05	0.011	0.046	0	0.07	0.01	0.02	0.0002	0.2	0.0017	0	0.044
EVRAZ Regina - 409273			Heat:	0.05	1.37	0.009	0.003	0.22	0.3	0.1	0.09	0.03	0.01	0.044	0	0.07	0.011	0.02	0.0003	0.21	0.002	0.001	0.038
EVRAZ Regina - 409273	AE-134D	V0047	Product:	0.05	1.36	0.009	0.003	0.22	0.31	0.1	0.09	0.03	0.01	0.045	0	0.07	0.011	0.02	0.0002	0.21	0.0031	0.002	0.042
EVRAZ Regina - 409273	AE-134D	W0047	Product:	0.05	1.37	0.009	0.004	0.22	0.31	0.1	0.09	0.03	0.01	0.044	0	0.07	0.011	0.02	0.0003	0.22	0.0026	0.002	0.043
EVRAZ Regina - 409274			Heat:	0.04	1.35	0.009	0.002	0.17	0.28	0.1	0.11	0.04	0.012	0.041	0	0.07	0.01	0.02	0.0003	0.2	0.0023	0.001	0.04
EVRAZ Regina - 409274	AE-134D	V0051	Product:	0.04	1.35	0.009	0.002	0.18	0.27	0.11	0.11	0.04	0.013	0.044	0	0.07	0.01	0.02	0.0002	0.2	0.0021	0	0.04
EVRAZ Regina - 409274	AE-134D	W0051	Product:	0.04	1.35	0.009	0.002	0.18	0.27	0.11	0.11	0.04	0.012	0.044	0	0.07	0.01	0.02	0.0002	0.2	0.0021	0	0.04
EVRAZ Regina - 409329			Heat:	0.05	1.33	0.009	0.003	0.18	0.26	0.09	0.1	0.03	0.009	0.029	0	0.07	0.01	0.01	0.0003	0.2	0.0019	0.001	0.027
EVRAZ Regina - 409329	AE-134D	V0016	Product:	0.05	1.35	0.009	0.003	0.18	0.25	0.09	0.1	0.02	0.01	0.029	0	0.07	0.01	0.01	0.0002	0.2	0.0035	0	0.027
EVRAZ Regina - 409329	AE-134D	W0016	Product:	0.04	1.34	0.009	0.002	0.18	0.25	0.09	0.1	0.02	0.01	0.03	0	0.07	0.01	0.02	0.0002	0.19	0.0047	0	0.028
EVRAZ Regina - 409335			Heat:	0.05	1.31	0.011	0.006	0.12	0.29	0.15	0.1	0.05	0.011	0.03	0	0.07	0.008	0.02	0.0002	0.2	0.0015	0.001	0.027
EVRAZ Regina - 409335	AE-134D	V0002	Product:	0.04	1.31	0.011	0.005	0.13	0.28	0.16	0.1	0.05	0.011	0.033	0	0.07	0.008	0.02	0.0001	0.2	0.0014	0	0.031
EVRAZ Regina - 409335	AE-134D	W0002	Product:	0.04	1.31	0.011	0.005	0.13	0.28	0.16	0.1	0.05	0.011	0.033	0	0.07	0.007	0.02	0.0001	0.2	0.0013	0	0.031
EVRAZ Regina - 409336			Heat:	0.04	1.35	0.01	0.004	0.13	0.28	0.12	0.12	0.04	0.01	0.038	0	0.07	0.012	0.02	0.0003	0.21	0.002	0.001	0.036
EVRAZ Regina - 409336	AE-134D	V0009	Product:	0.04	1.31	0.01	0.004	0.13	0.27	0.12	0.12	0.04	0.01	0.042	0	0.07	0.011	0.02	0.0001	0.2	0.0019	0	0.038
EVRAZ Regina - 409336	AE-134D	V0011	Product:	0.05	1.36	0.01	0.004	0.14	0.29	0.11	0.1	0.03	0.01	0.038	0	0.07	0.01	0.02	0.0001	0.21	0.0016	0	0.036
EVRAZ Regina - 409336	AE-134D	W0009	Product:	0.05	1.34	0.01	0.004	0.13	0.27	0.12	0.12	0.04	0.01	0.042	0	0.07	0.012	0.02	0.0001	0.21	0.0018	0	0.038
EVRAZ Regina - 409336	AE-134D	W0010	Product:	0.05	1.35	0.01	0																

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409342			Heat:	0.05	1.34	0.008	0.005	0.15	0.29	0.13	0.09	0.05	0.011	0.036	0	0.07	0.01	0.02	0.0002	0.21	0.0018	0	0.036
EVRAZ Regina - 409342	AE-134D	V0023	Product:	0.05	1.35	0.008	0.005	0.15	0.27	0.13	0.09	0.04	0.011	0.04	0	0.07	0.011	0.02	0.0002	0.21	0.0017	0	0.036
EVRAZ Regina - 409342	AE-134D	W0023	Product:	0.05	1.34	0.007	0.004	0.14	0.26	0.13	0.09	0.04	0.011	0.041	0	0.07	0.011	0.02	0.0001	0.2	0.002	0	0.035
EVRAZ Regina - 409387			Heat:	0.05	1.34	0.01	0.006	0.16	0.26	0.12	0.1	0.04	0.01	0.044	0	0.07	0.009	0.02	0.0003	0.21	0.0014	0.004	0.043
EVRAZ Regina - 409387	AE-134D	V0006	Product:	0.05	1.35	0.01	0.006	0.17	0.25	0.12	0.1	0.04	0.011	0.048	0	0.07	0	0.02	0.0002	0.21	0.0011	0	0.045
EVRAZ Regina - 409387	AE-134D	W0006	Product:	0.05	1.34	0.008	0.006	0.16	0.23	0.11	0.1	0.04	0.011	0.053	0	0.07	0.01	0.02	0.0002	0.21	0.0017	0.001	0.051
EVRAZ Regina - 409388			Heat:	0.05	1.34	0.01	0.002	0.14	0.22	0.1	0.08	0.03	0.009	0.043	0	0.07	0.008	0.02	0.0002	0.2	0.0026	0.003	0.042
EVRAZ Regina - 409388	AE-134D	34	Product:	0.05	1.35	0.01	0.003	0.14	0.22	0.1	0.08	0.03	0.01	0.047	0	0.07	0.009	0.02	0.0001	0.2	0.0022	0	0.042
EVRAZ Regina - 409388	AE-134D	386	Product:	0.06	1.33	0.011	0.001	0.14	0.25	0.1	0.11	0.03	0.01	0.038	0	0.07	0.009	0.02	0.0001	0.21	0.0018	0	0.034
EVRAZ Regina - 409389			Heat:	0.05	1.34	0.012	0.004	0.13	0.27	0.1	0.13	0.03	0.01	0.032	0	0.07	0.008	0.02	0.0003	0.21	0.0017	0.003	0.032
EVRAZ Regina - 409389	AE-134D	V0016	Product:	0.04	1.35	0.013	0.004	0.14	0.26	0.1	0.13	0.03	0.011	0.034	0	0.07	0.01	0.02	0.0002	0.2	0.0018	0	0.032
EVRAZ Regina - 409389	AE-136A	V0016	Product:	0.04	1.35	0.013	0.004	0.14	0.26	0.1	0.13	0.03	0.011	0.034	0	0.07	0.01	0.02	0.0002	0.2	0.0018	0	0.032
EVRAZ Regina - 409389	AE-134D	W0016	Product:	0.05	1.34	0.012	0.004	0.14	0.26	0.1	0.13	0.03	0.01	0.034	0	0.07	0.009	0.02	0.0002	0.21	0.0017	0	0.032
EVRAZ Regina - 409389	AE-136A	W0016	Product:	0.05	1.34	0.012	0.004	0.14	0.26	0.1	0.13	0.03	0.01	0.034	0	0.07	0.009	0.02	0.0002	0.21	0.0017	0	0.032
EVRAZ Regina - 409390			Heat:	0.04	1.34	0.009	0.002	0.18	0.24	0.09	0.12	0.03	0.009	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.0022	0.003	0.043
EVRAZ Regina - 409390	AE-134D	V0022	Product:	0.04	1.35	0.009	0.002	0.18	0.23	0.09	0.12	0.03	0.009	0.047	0	0.07	0.012	0.02	0.0002	0.2	0.0021	0	0.045
EVRAZ Regina - 409390	AE-134D	W0022	Product:	0.05	1.34	0.009	0.002	0.18	0.23	0.09	0.12	0.03	0.009	0.047	0	0.07	0.011	0.02	0.0002	0.2	0.002	0	0.045
EVRAZ Regina - 409391			Heat:	0.05	1.32	0.01	0.002	0.13	0.23	0.09	0.13	0.02	0.01	0.039	0	0.07	0.009	0.02	0.0002	0.2	0.0027	0.003	0.036
EVRAZ Regina - 409391	AE-134D	V0026	Product:	0.05	1.32	0.01	0.002	0.12	0.22	0.09	0.14	0.02	0.009	0.041	0	0.07	0.01	0.02	0.0001	0.2	0.0023	0	0.039
EVRAZ Regina - 409391	AE-134D	W0026	Product:	0.05	1.32	0.01	0.002	0.12	0.22	0.09	0.14	0.02	0.009	0.041	0	0.07	0.01	0.02	0.0001	0.2	0.0021	0	0.039
EVRAZ Regina - 409392			Heat:	0.04	1.32	0.009	0.001	0.16	0.26	0.11	0.1	0.03	0.01	0.045	0	0.07	0.009	0.02	0.0002	0.2	0.0023	0.003	0.039
EVRAZ Regina - 409392	AE-134D	V0033	Product:	0.05	1.33	0.009	0.001	0.16	0.25	0.11	0.1	0.04	0.01	0.048	0	0.07	0.009	0.02	0.0001	0.2	0.0028	0	0.046
EVRAZ Regina - 409392	AE-134D	W0033	Product:	0.04	1.31	0.008	0.001	0.16	0.25	0.1	0.1	0.03	0.009	0.048	0	0.07	0.009	0.02	0.0001	0.2	0.0028	0	0.046
EVRAZ Regina - 409393			Heat:	0.05	1.33	0.008	0.004	0.14	0.33	0.13	0.08	0.05	0.012	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.002	0.003	0.046
EVRAZ Regina - 409393	AE-134D	V0039	Product:	0.05	1.33	0.008	0.002	0.15	0.31	0.13	0.08	0.05	0.013	0.053	0	0.07	0.011	0.02	0.0001	0.21	0.0029	0	0.051
EVRAZ Regina - 409393	AE-134D	W0039	Product:	0.05	1.33	0.008	0.004	0.15	0.32	0.13	0.08	0.05	0.012	0.052	0	0.07	0.01	0.02	0.0001	0.21	0.0026	0	0.05
EVRAZ Regina - 409435			Heat:	0.05	1.35	0.01	0.003	0.17	0.29	0.16	0.12	0.06	0.01	0.039	0	0.07	0.009	0.02	0.0002	0.22	0.0024	0.002	0.038
EVRAZ Regina - 409435	AE-134D	V0002	Product:	0.05	1.37	0.011	0.002	0.18	0.29	0.16	0.12	0.06	0.011	0.044	0	0.08	0.011	0.02	0.0002	0.21	0.0023	0	0.041
EVRAZ Regina - 409435	AE-134D	W0002	Product:	0.04	1.35	0.01	0.002	0.18	0.29	0.16	0.12	0.06	0.011	0.044	0	0.07	0.008	0.02	0.0002	0.21	0.003	0	0.042
EVRAZ Regina - 409436			Heat:	0.05	1.37	0.009	0.003	0.18	0.31	0.16	0.14	0.06	0.013	0.05	0	0.07	0.012	0.02	0.0002	0.22	0.0027	0.002	0.049
EVRAZ Regina - 409436	AE-134D	V0005	Product:	0.05	1.37	0.008	0.003	0.18	0.3	0.16	0.14	0.06	0.013	0.058	0	0.07	0.012	0.02	0.0001	0.22	0.0035	0	0
EVRAZ Regina - 409436	AE-134D	W0005	Product:	0.05	1.38	0.008	0.003	0.17	0.3	0.16	0.14	0.06	0.014	0.057	0	0.07	0.012	0.02	0.0002	0.22	0.0027	0	0.055
EVRAZ Regina - 409437			Heat:	0.04	1.34	0.009	0.004	0.15	0.29	0.13	0.1	0.05	0.012	0.046	0	0.07	0.011	0.02	0.0002	0.2	0.0023	0.002	0.045
EVRAZ Regina - 409437	AE-134D	V0016	Product:	0.04	1.35	0.009	0.004	0.15	0.28	0.13	0.1	0.05	0.012	0.048	0	0.07	0.011	0.02	0.0001	0.2	0.0019	0	0.046
EVRAZ Regina - 409437	AE-134D	W0015	Product:	0.04	1.35	0.009	0.004	0.15	0.28	0.13	0.1	0.05	0.012	0.049	0	0.07	0.011	0.02	0.0001	0.2	0.0019	0	0.047
EVRAZ Regina - 409438			Heat:	0.05	1.33	0.008	0.003	0.16	0.29	0.12	0.08	0.05	0.012	0.046	0	0.07	0.012	0.02	0.0002	0.2	0.0024	0.003	0.045
EVRAZ Regina - 409438	AE-134D	V0022	Product:	0.06	1.33	0.009	0.003	0.16	0.28	0.12	0.08	0.05	0.012	0.048	0	0.07	0.013	0.02	0.0001	0.21	0.0031	0	0.046
EVRAZ Regina - 409438	AE-134D	W0022	Product:	0.05	1.34	0.008	0.003	0.16	0.28	0.12	0.08	0.05	0.012	0.049	0	0.07	0.012	0.02	0.0001	0.2	0.0024	0	0.047
EVRAZ Regina - 409439			Heat:	0.05	1.34	0.008	0.003	0.15	0.31	0.14	0.09	0.05	0.011	0.047	0	0.07	0.013	0.02	0.0002	0.21	0.0022	0.002	0.046
EVRAZ Regina - 409439	AE-134D	V0029	Product:	0.04	1.34	0.008	0.003	0.16	0.3	0.14	0.09	0.05	0.011	0.051	0	0.07	0.014	0.02	0.0001	0.2	0.0021	0	0.049
EVRAZ Regina - 409439	AE-134D	W0029	Product:	0.04	1.33	0.008	0.003	0.15	0.3	0.14	0.09	0.05	0.011	0.05	0	0.07	0.014	0.02	0.0001	0.2	0.0021	0	0.048
EVRAZ Regina - 409440			Heat:	0.04	1.32	0.008	0.002	0.18	0.31	0.13	0.1	0.04	0.011	0.046	0	0.07	0.011	0.02	0.0002	0.2	0.002	0.002	0.045
EVRAZ Regina - 409440	AE-134D	V0035	Product:	0.04	1.33	0.008	0.002	0.19	0.3	0.13	0.1	0.05	0.011	0.051	0	0.07	0.011	0.02	0.0002	0.2	0.0027	0	0.049
EVRAZ Regina - 409440	AE-134D	V0036	Product:	0.04	1.33	0.008	0.003	0.19	0.3	0.13	0.09	0.04	0.012	0.049	0	0.07	0.013	0.02	0.0002	0.2	0.0019	0	0.047
EVRAZ Regina - 409440	AE-134D	W0035	Product:	0.05	1.33	0.008	0.002	0.19	0.3	0.13	0.09	0.05	0.011	0.05	0	0.07	0.011	0.02	0.0001	0.2	0.0024	0	0.048
EVRAZ Regina - 409441			Heat:	0.05	1.34	0.008	0.004	0.15	0.27	0.11	0.08	0.03	0.011	0.051	0	0.06	0.01	0.02	0.0002	0.2	0.0028	0.002	0.05
EVRAZ Regina - 409441	AE-134D	V0043	Product:	0.05	1.36	0.008	0.004	0.16	0.26	0.11	0.08	0.03	0.011	0.06	0	0.07	0.011	0.02	0.0001	0.2	0.0028	0	0.058
EVRAZ Regina - 409441	AE-134D	W0043	Product:	0.04	1.34	0.008	0.004	0.15	0.27	0.11	0.08	0.03	0.01	0.058	0	0.06	0.012	0.02	0.0001	0.2	0.0027	0	0.056
EVRAZ Regina - 409442			Heat:	0.04	1.33	0.014	0.002	0.18	0.3	0.11	0.11	0.03	0.012	0.045	0	0.07	0.009	0.02	0.0002	0.2	0.0025	0.002	0.045
EVRAZ Regina - 409442	AE-134D	V0049	Product:	0.04	1.35	0.013	0.002	0.19	0.29	0.11	0.12	0.03	0.012	0.052	0	0.07	0.01	0.02	0.0001	0.2	0.0022	0	0.05
EVRAZ Regina - 409442	AE-134D	V0050	Product:	0.04	1.35	0.014	0.002	0.19	0.29	0.11	0.12	0.03	0.012	0.052	0	0.07	0.01	0.02	0.0001	0.2	0.0024	0	0.05
EVRAZ Regina - 409486			Heat:	0.05	1.37	0.007	0.004	0.12	0.33	0.14	0.08	0.05	0.012	0.038	0	0.07	0.012	0.02	0.0002	0.21	0.002	0.003	0.037
EVRAZ Regina - 409486	AE-134D	V0009	Product:	0.05	1.38	0.007	0.004	0.13	0.32	0.14	0.09	0.05	0.013	0.041	0	0.07	0.014	0.02	0.0001	0.21	0.0027	0	0.039
EVRAZ Regina - 409486	AE-134D	W0009	Product:	0.05	1.37	0.007	0.004	0.13															

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409528	AE-134D	V0002	Product:	0.05	1.34	0.01	0.004	0.2	0.29	0.11	0.09	0.05	0.01	0.042	0	0.08	0.007	0.02	0.0002	0.21	0.0026	0	0.04
EVRAZ Regina - 409528	AE-134D	W0002	Product:	0.06	1.33	0.009	0.004	0.2	0.26	0.11	0.13	0.04	0.009	0.06	0	0.07	0.007	0.02	0.0001	0.22	0.0024	0	0.057
EVRAZ Regina - 409529			Heat:	0.05	1.34	0.009	0.004	0.2	0.3	0.11	0.07	0.03	0.013	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0024	0.002	0.041
EVRAZ Regina - 409529	AE-134D	V0005	Product:	0.05	1.35	0.009	0.004	0.2	0.3	0.11	0.07	0.03	0.013	0.044	0	0.07	0.01	0.02	0.0001	0.21	0.0024	0	0.042
EVRAZ Regina - 409529	AE-134D	W0005	Product:	0.05	1.35	0.009	0.004	0.2	0.29	0.11	0.07	0.04	0.013	0.048	0	0.07	0.012	0.02	0.0001	0.21	0.0041	0	0.046
EVRAZ Regina - 409530			Heat:	0.05	1.33	0.009	0.003	0.15	0.29	0.13	0.09	0.04	0.013	0.039	0	0.07	0.011	0.02	0.0002	0.21	0.0025	0.003	0.037
EVRAZ Regina - 409530	AE-134D	V0008	Product:	0.05	1.34	0.009	0.003	0.14	0.28	0.14	0.09	0.04	0.013	0.039	0	0.07	0.012	0.02	0.0001	0.21	0.0022	0	0.037
EVRAZ Regina - 409530	AE-134D	W0008	Product:	0.05	1.34	0.009	0.003	0.15	0.28	0.13	0.09	0.04	0.013	0.04	0	0.07	0.011	0.02	0.0001	0.21	0.0026	0	0.038
EVRAZ Regina - 409531			Heat:	0.05	1.35	0.009	0.004	0.15	0.27	0.13	0.09	0.04	0.011	0.052	0	0.07	0.009	0.02	0.0002	0.21	0.0024	0.003	0.05
EVRAZ Regina - 409531	AE-134D	V0015	Product:	0.05	1.34	0.009	0.003	0.15	0.26	0.13	0.09	0.05	0.011	0.053	0	0.07	0.01	0.02	0.0001	0.2	0.0026	0	0.051
EVRAZ Regina - 409531	AE-134D	W0015	Product:	0.05	1.35	0.009	0.003	0.15	0.27	0.14	0.09	0.05	0.011	0.053	0	0.07	0.01	0.02	0.0001	0.21	0.0028	0	0.051
EVRAZ Regina - 409532			Heat:	0.04	1.34	0.01	0.005	0.15	0.3	0.13	0.1	0.04	0.012	0.042	0	0.07	0.009	0.02	0.0003	0.2	0.0022	0.002	0.039
EVRAZ Regina - 409532	AE-134D	V0026	Product:	0.05	1.33	0.009	0.005	0.15	0.28	0.13	0.1	0.04	0.011	0.045	0	0.06	0.009	0.02	0.0001	0.2	0.0022	0	0.043
EVRAZ Regina - 409532	AE-134D	W0026	Product:	0.05	1.34	0.009	0.005	0.15	0.29	0.13	0.1	0.04	0.012	0.044	0	0.07	0.009	0.02	0.0002	0.21	0.0027	0	0.042
EVRAZ Regina - 409533			Heat:	0.05	1.34	0.01	0.003	0.15	0.34	0.15	0.1	0.05	0.014	0.041	0	0.07	0.01	0.02	0.0002	0.21	0.0025	0.003	0.04
EVRAZ Regina - 409533	AE-134D	V0033	Product:	0.05	1.35	0.011	0.003	0.16	0.33	0.15	0.1	0.05	0.015	0.042	0	0.07	0.011	0.02	0.0001	0.22	0.0019	0	0.04
EVRAZ Regina - 409533	AE-134D	W0033	Product:	0.05	1.34	0.01	0.003	0.15	0.33	0.15	0.1	0.05	0.015	0.043	0	0.07	0.011	0.02	0.0002	0.21	0.0027	0	0.041
EVRAZ Regina - 409571			Heat:	0.05	1.38	0.009	0.003	0.18	0.23	0.08	0.11	0.02	0.008	0.032	0	0.07	0.009	0.02	0.0003	0.21	0.0024	0.003	0.032
EVRAZ Regina - 409571	AE-134D	V0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0	0.07	0.009	0.02	0.0001	0.21	0.0017	0	0.032
EVRAZ Regina - 409571	AE-136A	W0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0	0.07	0.009	0.02	0.0001	0.21	0.0017	0	0.032
EVRAZ Regina - 409571	AE-134D	W0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0	0.07	0.009	0.02	0.0001	0.21	0.002	0	0.032
EVRAZ Regina - 409571	AE-136A	W0002	Product:	0.05	1.39	0.009	0.003	0.19	0.23	0.08	0.12	0.02	0.008	0.034	0	0.07	0.009	0.02	0.0001	0.21	0.002	0	0.032
EVRAZ Regina - 409572			Heat:	0.04	1.37	0.008	0.004	0.18	0.3	0.09	0.11	0.03	0.01	0.046	0	0.07	0.012	0.02	0.0003	0.21	0.002	0.003	0.044
EVRAZ Regina - 409572	AE-134D	V0009	Product:	0.04	1.39	0.008	0.004	0.18	0.3	0.09	0.12	0.03	0.01	0.048	0	0.07	0.012	0.02	0.0001	0.21	0.002	0	0.046
EVRAZ Regina - 409572	AE-134D	W0009	Product:	0.04	1.39	0.008	0.004	0.18	0.3	0.09	0.12	0.03	0.01	0.048	0	0.07	0.012	0.02	0.0001	0.21	0.0019	0	0.046
EVRAZ Regina - 409573			Heat:	0.05	1.32	0.011	0.004	0.2	0.32	0.11	0.13	0.04	0.011	0.041	0	0.07	0.01	0.02	0.0003	0.21	0.0022	0.003	0.038
EVRAZ Regina - 409573	AE-134D	V0019	Product:	0.04	1.32	0.011	0.004	0.2	0.31	0.11	0.13	0.04	0.011	0.044	0	0.07	0.01	0.02	0.0002	0.21	0.0039	0	0.042
EVRAZ Regina - 409573	AE-134D	W0019	Product:	0.05	1.34	0.011	0.004	0.2	0.31	0.11	0.13	0.04	0.011	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.0031	0	0.041
EVRAZ Regina - 409574			Heat:	0.05	1.33	0.01	0.002	0.2	0.27	0.11	0.13	0.04	0.009	0.055	0	0.07	0.008	0.02	0.0003	0.21	0.0027	0.003	0.053
EVRAZ Regina - 409574	AE-134D	V0025	Product:	0.05	1.34	0.01	0.002	0.2	0.26	0.11	0.13	0.04	0.009	0.06	0	0.07	0.008	0.02	0.0002	0.21	0.0021	0	0.057
EVRAZ Regina - 409574	AE-134D	W0025	Product:	0.05	1.33	0.009	0.002	0.19	0.26	0.11	0.13	0.04	0.009	0.059	0	0.07	0.009	0.02	0.0002	0.21	0.0027	0	0.056
EVRAZ Regina - 409576			Heat:	0.05	1.34	0.007	0.001	0.19	0.29	0.16	0.08	0.05	0.01	0.04	0	0.07	0.009	0.02	0.0003	0.21	0.0012	0.003	0.039
EVRAZ Regina - 409576	AE-134D	V0039	Product:	0.04	1.37	0.007	0.001	0.2	0.29	0.16	0.09	0.05	0.01	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0021	0	0.038
EVRAZ Regina - 409576	AE-134D	W0039	Product:	0.04	1.36	0.007	0.001	0.2	0.28	0.16	0.09	0.05	0.009	0.042	0	0.07	0.009	0.02	0.0001	0.21	0.0022	0	0.038
EVRAZ Regina - 409607			Heat:	0.04	1.36	0.012	0.002	0.17	0.3	0.12	0.17	0.04	0.012	0.053	0	0.07	0.008	0.02	0.0002	0.21	0.0015	0.002	0.052
EVRAZ Regina - 409607	AE-134D	V0013	Product:	0.04	1.36	0.012	0.003	0.18	0.29	0.12	0.17	0.04	0.013	0.057	0	0.07	0.009	0.02	0.0001	0.21	0.0017	0	0.051
EVRAZ Regina - 409607	AE-134D	W0013	Product:	0.04	1.36	0.011	0.003	0.18	0.29	0.12	0.17	0.04	0.013	0.057	0	0.07	0.008	0.02	0.0001	0.21	0.0016	0	0.055
EVRAZ Regina - 409608			Heat:	0.04	1.28	0.008	0.005	0.11	0.27	0.12	0.08	0.06	0.01	0.039	0	0.07	0.012	0.02	0.0002	0.2	0.0019	0.002	0.038
EVRAZ Regina - 409608	AE-134D	W0019	Product:	0.04	1.28	0.007	0.005	0.11	0.26	0.12	0.09	0.06	0.01	0.041	0	0.06	0.012	0.02	0.0001	0.19	0.0024	0	0.038
EVRAZ Regina - 409608	AE-134D	W0020	Product:	0.04	1.28	0.007	0.005	0.12	0.26	0.12	0.09	0.06	0.01	0.042	0	0.06	0.012	0.02	0.0001	0.19	0.0018	0	0.038
EVRAZ Regina - 409609			Heat:	0.04	1.37	0.008	0.002	0.18	0.33	0.12	0.09	0.04	0.012	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0017	0.003	0.039
EVRAZ Regina - 409609	AE-134D	V0030	Product:	0.04	1.38	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.012	0.044	0	0.07	0.011	0.02	0.0001	0.21	0.0018	0	0.04
EVRAZ Regina - 409609	AE-136A	V0030	Product:	0.04	1.38	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.012	0.044	0	0.07	0.011	0.02	0.0001	0.21	0.0018	0	0.04
EVRAZ Regina - 409609	AE-134D	W0030	Product:	0.04	1.37	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.011	0.044	0	0.07	0.011	0.02	0.0001	0.21	0.0021	0	0.041
EVRAZ Regina - 409609	AE-136A	W0030	Product:	0.04	1.37	0.007	0.003	0.18	0.32	0.12	0.09	0.04	0.011	0.044	0	0.07	0.011	0.02	0.0001	0.21	0.0021	0	0.041
EVRAZ Regina - 409650			Heat:	0.08	1.31	0.008	0.004	0.19	0.38	0.16	0.11	0.06	0.014	0.043	0	0.07	0.008	0.02	0.0003	0.26	0.0035	0.002	0.042
EVRAZ Regina - 409650	AE-134D	V0005	Product:	0.07	1.33	0.008	0.004	0.19	0.37	0.16	0.11	0.06	0.015	0.046	0	0.07	0.008	0.02	0.0002	0.25	0.0023	0	0.044
EVRAZ Regina - 409650	AE-134D	V0006	Product:	0.07	1.31	0.008	0.004	0.19	0.37	0.16	0.11	0.06	0.014	0.044	0	0.07	0.008	0.02	0.0001	0.25	0.0025	0	0.042
EVRAZ Regina - 409651			Heat:	0.05	1.34	0.008	0.004	0.19	0.37	0.14	0.11	0.05	0.012	0.042	0	0.07	0.008	0.02	0.0002	0.21	0.0006	0.001	0.041
EVRAZ Regina - 409651	AE-134D	V0002	Product:	0.04	1.36	0.008	0.004	0.2	0.36	0.14	0.11	0.05	0.013	0.046	0	0.07	0.009	0.02	0.0002	0.21	0.0007	0	0.044
EVRAZ Regina - 409651	AE-134D	W0002	Product:	0.05	1.34	0.007	0.004	0.19	0.36	0.14	0.11	0.05	0.012	0.045	0	0.07	0.008	0.02	0.0001	0.21	0.0007	0	0.043
EVRAZ Regina - 409652			Heat:	0.05	1.36	0.008	0.004	0.16	0.36	0.11	0.08	0.05	0.013	0.034	0	0.07	0.009	0.01	0.0002	0.22	0.0025	0	0.033
EVRAZ Regina - 409652	AE-134D	V0009	Product:	0.05	1.35	0.008	0.003	0.16	0.35	0.1	0.08	0.05	0.012	0.036	0	0.07	0.009	0.02	0.0001	0.21	0.0022	0	0.034
EVRAZ Regina - 409652	AE-134D	W0009																					

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409663	AE-136A	V0002	Product:	0.04	1.34	0.007	0.004	0.17	0.3	0.16	0.15	0.07	0.01	0.046	0	0.07	0.009	0.02	0.0001	0.21	0.0026	0	0.044
EVRAZ Regina - 409663	AE-134D	W0002	Product:	0.04	1.35	0.007	0.004	0.17	0.31	0.16	0.15	0.07	0.011	0.046	0	0.07	0.009	0.02	0.0001	0.21	0.0025	0	0.044
EVRAZ Regina - 409663	AE-136A	W0002	Product:	0.04	1.35	0.007	0.004	0.17	0.31	0.16	0.15	0.07	0.011	0.046	0	0.07	0.009	0.02	0.0001	0.21	0.0025	0	0.044
EVRAZ Regina - 409664			Heat:	0.05	1.34	0.01	0.004	0.17	0.36	0.12	0.14	0.04	0.01	0.037	0	0.07	0.01	0.01	0.0002	0.21	0.0024	0.001	0.036
EVRAZ Regina - 409664	AE-134D	V0009	Product:	0.05	1.33	0.009	0.004	0.17	0.35	0.12	0.14	0.04	0.01	0.04	0	0.07	0.01	0.01	0.0002	0.21	0.003	0	0.038
EVRAZ Regina - 409664	AE-136A	V0009	Product:	0.05	1.33	0.009	0.004	0.17	0.35	0.12	0.14	0.04	0.01	0.04	0	0.07	0.01	0.01	0.0002	0.21	0.003	0	0.038
EVRAZ Regina - 409664	AE-134D	W0009	Product:	0.05	1.33	0.009	0.004	0.17	0.35	0.12	0.14	0.04	0.01	0.039	0	0.07	0.01	0.01	0.0001	0.21	0.0022	0	0.037
EVRAZ Regina - 409664	AE-136A	W0009	Product:	0.05	1.33	0.009	0.004	0.17	0.35	0.12	0.14	0.04	0.01	0.039	0	0.07	0.01	0.01	0.0001	0.21	0.0022	0	0.037
EVRAZ Regina - 409665			Heat:	0.04	1.36	0.012	0.003	0.18	0.26	0.1	0.14	0.05	0.009	0.045	0	0.07	0.01	0.02	0.0002	0.2	0.0025	0.002	0.044
EVRAZ Regina - 409665	AE-134D	V0016	Product:	0.04	1.34	0.011	0.004	0.18	0.25	0.1	0.14	0.05	0.009	0.047	0	0.07	0.01	0.02	0.0001	0.2	0.0022	0	0.045
EVRAZ Regina - 409665	AE-136A	V0016	Product:	0.04	1.34	0.011	0.004	0.18	0.25	0.1	0.14	0.05	0.009	0.047	0	0.07	0.01	0.02	0.0001	0.2	0.0022	0	0.045
EVRAZ Regina - 409665	AE-134D	W0016	Product:	0.04	1.34	0.011	0.004	0.18	0.25	0.1	0.14	0.05	0.009	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.0023	0	0.046
EVRAZ Regina - 409665	AE-136A	W0016	Product:	0.04	1.34	0.011	0.004	0.18	0.25	0.1	0.14	0.05	0.009	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.0023	0	0.046
EVRAZ Regina - 409666			Heat:	0.04	1.33	0.008	0.003	0.18	0.26	0.1	0.1	0.04	0.01	0.047	0	0.07	0.009	0.02	0.0002	0.2	0.0019	0.001	0.046
EVRAZ Regina - 409666	AE-134D	V0023	Product:	0.05	1.33	0.008	0.004	0.19	0.25	0.1	0.1	0.04	0.01	0.049	0	0.07	0.01	0.02	0.0001	0.21	0.002	0	0.047
EVRAZ Regina - 409666	AE-134D	W0023	Product:	0.04	1.32	0.008	0.003	0.19	0.25	0.1	0.1	0.04	0.01	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.0018	0	0.046
EVRAZ Regina - 409667			Heat:	0.05	1.32	0.008	0.003	0.18	0.24	0.11	0.09	0.03	0.009	0.041	0	0.07	0.01	0.02	0.0002	0.2	0.0023	0.002	0.04
EVRAZ Regina - 409667	AE-134D	V0029	Product:	0.04	1.3	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0	0.06	0.01	0.02	0.0001	0.2	0.0021	0	0.041
EVRAZ Regina - 409667	AE-136A	V0029	Product:	0.04	1.3	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0	0.06	0.01	0.02	0.0001	0.2	0.0021	0	0.041
EVRAZ Regina - 409667	AE-134D	W0029	Product:	0.04	1.32	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0	0.07	0.011	0.02	0.0001	0.2	0.0019	0	0.041
EVRAZ Regina - 409667	AE-136A	W0029	Product:	0.04	1.32	0.007	0.003	0.18	0.24	0.11	0.09	0.04	0.009	0.043	0	0.07	0.011	0.02	0.0001	0.2	0.0019	0	0.041
EVRAZ Regina - 409685			Heat:	0.05	1.33	0.01	0.003	0.12	0.35	0.12	0.1	0.05	0.012	0.035	0	0.07	0.009	0.01	0.0002	0.21	0.0021	0	0.034
EVRAZ Regina - 409685	AE-134D	V0002	Product:	0.04	1.33	0.009	0.003	0.12	0.34	0.12	0.1	0.05	0.011	0.037	0	0.07	0.01	0.01	0.0001	0.2	0.0019	0	0.035
EVRAZ Regina - 409685	AE-136A	V0002	Product:	0.04	1.33	0.009	0.003	0.12	0.34	0.12	0.1	0.05	0.011	0.037	0	0.07	0.01	0.01	0.0001	0.2	0.0019	0	0.035
EVRAZ Regina - 409685	AE-134D	W0002	Product:	0.04	1.34	0.01	0.002	0.12	0.34	0.13	0.1	0.05	0.012	0.037	0	0.07	0.008	0.01	0.0001	0.2	0.0023	0	0.035
EVRAZ Regina - 409685	AE-136A	W0002	Product:	0.04	1.34	0.01	0.002	0.12	0.34	0.13	0.1	0.05	0.012	0.037	0	0.07	0.008	0.01	0.0001	0.2	0.0023	0	0.035
EVRAZ Regina - 409686			Heat:	0.05	1.39	0.009	0.004	0.12	0.27	0.1	0.14	0.03	0.01	0.037	0	0.07	0.009	0.02	0.0002	0.21	0.002	0	0.036
EVRAZ Regina - 409686	AE-134D	V0010	Product:	0.05	1.38	0.008	0.005	0.11	0.26	0.1	0.14	0.03	0.009	0.039	0	0.07	0.009	0.02	0.0001	0.21	0.0021	0	0.037
EVRAZ Regina - 409686	AE-136A	V0010	Product:	0.05	1.38	0.008	0.005	0.11	0.26	0.1	0.14	0.03	0.009	0.039	0	0.07	0.009	0.02	0.0001	0.21	0.0021	0	0.037
EVRAZ Regina - 409686	AE-134D	W0010	Product:	0.05	1.38	0.009	0.004	0.12	0.26	0.1	0.14	0.03	0.01	0.039	0	0.07	0.01	0.02	0.0001	0.21	0.0025	0	0.037
EVRAZ Regina - 409686	AE-136A	W0010	Product:	0.05	1.38	0.009	0.004	0.12	0.26	0.1	0.14	0.03	0.01	0.039	0	0.07	0.01	0.02	0.0001	0.21	0.0025	0	0.037
EVRAZ Regina - 409687			Heat:	0.05	1.37	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.01	0.043	0	0.07	0.009	0.02	0.0002	0.21	0.0011	0	0.042
EVRAZ Regina - 409687	AE-134D	V0016	Product:	0.05	1.39	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.01	0.045	0	0.07	0.009	0.02	0.0001	0.22	0.0011	0	0.043
EVRAZ Regina - 409687	AE-136A	V0016	Product:	0.05	1.39	0.009	0.003	0.12	0.28	0.12	0.12	0.05	0.01	0.045	0	0.07	0.009	0.02	0.0001	0.22	0.0011	0	0.043
EVRAZ Regina - 409687	AE-134D	W0016	Product:	0.05	1.37	0.009	0.003	0.12	0.27	0.12	0.12	0.05	0.01	0.044	0	0.06	0.009	0.02	0.0001	0.21	0.0013	0	0.042
EVRAZ Regina - 409687	AE-136A	W0016	Product:	0.05	1.37	0.009	0.003	0.12	0.27	0.12	0.12	0.05	0.01	0.044	0	0.06	0.009	0.02	0.0001	0.21	0.0013	0	0.042
EVRAZ Regina - 409688			Heat:	0.05	1.36	0.011	0.003	0.18	0.31	0.12	0.15	0.04	0.011	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0.001	0.041
EVRAZ Regina - 409688	AE-134D	V0023	Product:	0.05	1.35	0.01	0.003	0.17	0.3	0.12	0.16	0.04	0.01	0.042	0	0.06	0.01	0.02	0.0002	0.21	0.0022	0.001	0.041
EVRAZ Regina - 409688	AE-136A	V0023	Product:	0.05	1.35	0.01	0.003	0.17	0.3	0.12	0.16	0.04	0.01	0.042	0	0.06	0.01	0.02	0.0002	0.21	0.0022	0.001	0.041
EVRAZ Regina - 409688	AE-134D	W0023	Product:	0.05	1.37	0.011	0.003	0.17	0.31	0.13	0.16	0.04	0.011	0.042	0	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.041
EVRAZ Regina - 409688	AE-136A	W0023	Product:	0.05	1.37	0.011	0.003	0.17	0.31	0.13	0.16	0.04	0.011	0.042	0	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.041
EVRAZ Regina - 409714			Heat:	0.04	1.38	0.007	0.003	0.2	0.27	0.13	0.08	0.06	0.01	0.058	0	0.07	0.012	0.02	0.0002	0.21	0.003	0	0.058
EVRAZ Regina - 409714	AE-134D	V0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.063	0	0.07	0.013	0.02	0.0001	0.2	0.0026	0	0.06
EVRAZ Regina - 409714	AE-136A	V0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.063	0	0.07	0.013	0.02	0.0001	0.2	0.0026	0	0.06
EVRAZ Regina - 409714	AE-134D	W0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.064	0	0.07	0.012	0.02	0.0001	0.2	0.0029	0	0.062
EVRAZ Regina - 409714	AE-136A	W0002	Product:	0.04	1.39	0.008	0.003	0.19	0.27	0.14	0.08	0.07	0.009	0.064	0	0.07	0.012	0.02	0.0001	0.2	0.0029	0	0.062
EVRAZ Regina - 409715			Heat:	0.05	1.33	0.01	0.002	0.17	0.38	0.13	0.08	0.06	0.012	0.041	0	0.07	0.012	0.02	0.0002	0.21	0.0021	0	0.039
EVRAZ Regina - 409715	AE-134D	V0012	Product:	0.05	1.34	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0	0.07	0.012	0.02	0.0003	0.22	0.0026	0.001	0.04
EVRAZ Regina - 409715	AE-136A	V0012	Product:	0.05	1.34	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0	0.07	0.012	0.02	0.0003	0.22	0.0026	0.001	0.04
EVRAZ Regina - 409715	AE-134D	W0012	Product:	0.05	1.35	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0	0.07	0.012	0.02	0.0003	0.22	0.0019	0.001	0.043
EVRAZ Regina - 409715	AE-136A	W0012	Product:	0.05	1.35	0.009	0.002	0.17	0.37	0.13	0.08	0.06	0.012	0.044	0	0.07	0.012	0.02	0.0003	0.22	0.0019	0.001	0.043
EVRAZ Regina - 409716			Heat:	0.05	1.34	0.008	0.002	0.16	0.31	0.2	0.11	0.07	0.011	0.041	0	0.07	0.011	0.02	0.0002	0.21	0.0015	0	0.04
EVRAZ Regina - 409716	AE-134D	V0015	Product:	0.05	1.35	0.007	0.002	0.16	0.31	0.2	0.11	0.07	0.01	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.0015	0.001	0.041
EVRAZ Regina - 409716	AE-1																						

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409746	AE-134D	W0002	Product:	0.05	1.31	0.009	0.004	0.14	0.27	0.1	0.08	0.03	0.011	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.001	0.001	0.044
EVRAZ Regina - 409746	AE-136A	W0002	Product:	0.05	1.31	0.009	0.004	0.14	0.27	0.1	0.08	0.03	0.011	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.001	0.001	0.044
EVRAZ Regina - 409747			Heat:	0.05	1.35	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.045	0	0.07	0.008	0.02	0.0002	0.21	0.0012	0	0.044
EVRAZ Regina - 409747	AE-134D	V0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.046	0	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045
EVRAZ Regina - 409747	AE-136A	V0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.12	0.11	0.04	0.012	0.046	0	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045
EVRAZ Regina - 409747	AE-134D	W0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.13	0.11	0.04	0.012	0.046	0	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045
EVRAZ Regina - 409747	AE-136A	W0014	Product:	0.05	1.36	0.012	0.004	0.16	0.35	0.13	0.11	0.04	0.012	0.046	0	0.07	0.009	0.02	0.0003	0.21	0.0012	0.001	0.045
EVRAZ Regina - 409748			Heat:	0.04	1.33	0.01	0.004	0.12	0.32	0.14	0.11	0.04	0.011	0.044	0	0.07	0.01	0.02	0.0002	0.2	0.0017	0	0.043
EVRAZ Regina - 409748	AE-134D	V0018	Product:	0.04	1.34	0.01	0.004	0.12	0.32	0.14	0.12	0.04	0.011	0.045	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0.001	0.044
EVRAZ Regina - 409748	AE-136A	V0018	Product:	0.04	1.34	0.01	0.004	0.12	0.32	0.14	0.12	0.04	0.011	0.045	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0.001	0.044
EVRAZ Regina - 409748	AE-134D	W0018	Product:	0.05	1.34	0.01	0.004	0.12	0.32	0.14	0.12	0.04	0.01	0.045	0	0.07	0.01	0.02	0.0002	0.21	0.0018	0.001	0.044
EVRAZ Regina - 409748	AE-136A	W0018	Product:	0.05	1.34	0.01	0.004	0.12	0.32	0.14	0.12	0.04	0.01	0.045	0	0.07	0.01	0.02	0.0002	0.21	0.0018	0.001	0.044
EVRAZ Regina - 409749			Heat:	0.05	1.35	0.01	0.004	0.12	0.28	0.1	0.09	0.03	0.012	0.041	0	0.07	0.01	0.02	0.0002	0.2	0.0015	0.001	0.039
EVRAZ Regina - 409749	AE-134D	V0027	Product:	0.03	1.36	0.011	0.002	0.13	0.27	0.1	0.09	0.03	0.011	0.044	0	0.07	0.01	0.02	0.0001	0.19	0.0015	0	0.042
EVRAZ Regina - 409749	AE-136A	V0027	Product:	0.03	1.36	0.011	0.002	0.13	0.27	0.1	0.09	0.03	0.011	0.044	0	0.07	0.01	0.02	0.0001	0.19	0.0015	0	0.042
EVRAZ Regina - 409749	AE-134D	V0028	Product:	0.03	1.34	0.01	0.003	0.13	0.27	0.1	0.09	0.03	0.011	0.043	0	0.07	0.011	0.02	0.0001	0.18	0.0015	0	0.041
EVRAZ Regina - 409749	AE-134D	W0028	Product:	0.05	1.35	0.01	0.005	0.13	0.26	0.1	0.09	0.03	0.01	0.044	0	0.07	0.012	0.02	0	0.21	0.0017	0	0.042
EVRAZ Regina - 409749	AE-136A	W0028	Product:	0.05	1.35	0.01	0.005	0.13	0.26	0.1	0.09	0.03	0.01	0.044	0	0.07	0.012	0.02	0	0.21	0.0017	0	0.042
EVRAZ Regina - 409750			Heat:	0.05	1.36	0.01	0.005	0.14	0.32	0.12	0.09	0.03	0.011	0.041	0	0.07	0.01	0.02	0.0002	0.21	0.0027	0	0.04
EVRAZ Regina - 409750	AE-134D	V0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.041	0	0.07	0.01	0.02	0.0003	0.21	0.0027	0.001	0.04
EVRAZ Regina - 409750	AE-136A	V0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.041	0	0.07	0.01	0.02	0.0003	0.21	0.0027	0.001	0.04
EVRAZ Regina - 409750	AE-134D	W0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.003	0.001	0.04
EVRAZ Regina - 409750	AE-136A	W0031	Product:	0.05	1.37	0.009	0.005	0.14	0.32	0.12	0.09	0.04	0.011	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.003	0.001	0.04
EVRAZ Regina - 409832			Heat:	0.05	1.37	0.009	0.002	0.17	0.29	0.11	0.09	0.04	0.011	0.04	0	0.07	0.008	0.02	0.0003	0.21	0.0035	0.001	0.039
EVRAZ Regina - 409832	AE-134D	V0005	Product:	0.05	1.35	0.009	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0	0.07	0.009	0.02	0.0002	0.21	0.0032	0	0.041
EVRAZ Regina - 409832	AE-136A	V0005	Product:	0.05	1.35	0.009	0.003	0.17	0.28	0.11	0.09	0.04	0.011	0.043	0	0.07	0.009	0.02	0.0002	0.21	0.0032	0	0.041
EVRAZ Regina - 409832	AE-134D	W0005	Product:	0.05	1.38	0.009	0.002	0.17	0.28	0.11	0.09	0.04	0.012	0.042	0	0.07	0.009	0.02	0.0002	0.21	0.0026	0	0.04
EVRAZ Regina - 409832	AE-136A	W0005	Product:	0.05	1.38	0.009	0.002	0.17	0.28	0.11	0.09	0.04	0.012	0.042	0	0.07	0.009	0.02	0.0002	0.21	0.0026	0	0.04
EVRAZ Regina - 409833			Heat:	0.05	1.38	0.009	0.002	0.18	0.32	0.12	0.12	0.04	0.011	0.044	0	0.07	0.01	0.02	0.0003	0.22	0.0025	0.001	0.041
EVRAZ Regina - 409833	AE-134D	V0012	Product:	0.05	1.37	0.009	0.003	0.18	0.31	0.12	0.12	0.04	0.012	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0	0.045
EVRAZ Regina - 409833	AE-136A	V0012	Product:	0.05	1.37	0.009	0.003	0.18	0.31	0.12	0.12	0.04	0.012	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0	0.045
EVRAZ Regina - 409833	AE-134D	W0012	Product:	0.05	1.38	0.009	0.002	0.19	0.31	0.12	0.12	0.04	0.012	0.046	0	0.07	0.01	0.02	0.0002	0.22	0.002	0	0.044
EVRAZ Regina - 409833	AE-136A	W0012	Product:	0.05	1.38	0.009	0.002	0.19	0.31	0.12	0.12	0.04	0.012	0.046	0	0.07	0.01	0.02	0.0002	0.22	0.002	0	0.044
EVRAZ Regina - 409834			Heat:	0.05	1.36	0.008	0.004	0.16	0.28	0.11	0.11	0.04	0.01	0.045	0	0.07	0.009	0.02	0.0003	0.21	0.0024	0.001	0.044
EVRAZ Regina - 409834	AE-134D	V0015	Product:	0.04	1.34	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.01	0.05	0	0.07	0.01	0.02	0.0002	0.2	0.0022	0	0.048
EVRAZ Regina - 409834	AE-136A	V0015	Product:	0.04	1.34	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.01	0.05	0	0.07	0.01	0.02	0.0002	0.2	0.0022	0	0.048
EVRAZ Regina - 409834	AE-134D	W0015	Product:	0.05	1.35	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.011	0.05	0	0.07	0.009	0.02	0.0002	0.21	0.0023	0	0.048
EVRAZ Regina - 409834	AE-136A	W0015	Product:	0.05	1.35	0.008	0.003	0.15	0.25	0.11	0.11	0.04	0.011	0.05	0	0.07	0.009	0.02	0.0002	0.21	0.0023	0	0.048
EVRAZ Regina - 409835			Heat:	0.05	1.35	0.008	0.004	0.13	0.26	0.1	0.09	0.03	0.01	0.044	0	0.07	0.01	0.02	0.0003	0.2	0.0022	0.001	0.043
EVRAZ Regina - 409835	AE-134D	V0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.1	0.09	0.03	0.011	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0016	0	0.046
EVRAZ Regina - 409835	AE-136A	V0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.1	0.09	0.03	0.011	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0016	0	0.046
EVRAZ Regina - 409835	AE-134D	W0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.1	0.09	0.03	0.01	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0015	0	0.046
EVRAZ Regina - 409835	AE-136A	W0021	Product:	0.05	1.36	0.008	0.004	0.13	0.24	0.1	0.09	0.03	0.01	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0015	0	0.046
EVRAZ Regina - 409836			Heat:	0.06	1.35	0.008	0.004	0.13	0.33	0.11	0.1	0.03	0.011	0.028	0	0.07	0.01	0.02	0.0003	0.22	0.0023	0.001	0.027
EVRAZ Regina - 409836	AE-136A	V0028	Product:	0.05	1.36	0.008	0.003	0.14	0.32	0.11	0.1	0.03	0.011	0.031	0	0.07	0.01	0.02	0.0001	0.21	0.0019	0	0.029
EVRAZ Regina - 409836	AE-134D	W0028	Product:	0.06	1.36	0.008	0.004	0.14	0.32	0.11	0.1	0.03	0.011	0.032	0	0.07	0.01	0.02	0.0002	0.22	0.0034	0	0.03
EVRAZ Regina - 409836	AE-136A	W0028	Product:	0.06	1.36	0.008	0.004	0.14	0.32	0.11	0.1	0.03	0.011	0.032	0	0.07	0.01	0.02	0.0002	0.22	0.0034	0	0.03
EVRAZ Regina - 409837			Heat:	0.06	1.37	0.009	0.005	0.15	0.28	0.11	0.11	0.04	0.01	0.037	0	0.07	0.009	0.02	0.0003	0.22	0.0026	0.001	0.036
EVRAZ Regina - 409837	AE-134D	V0035	Product:	0.06	1.36	0.009	0.005	0.15	0.26	0.11	0.1	0.04	0.01	0.042	0	0.07	0.009	0.02	0.0003	0.22	0.0022	0	0.04
EVRAZ Regina - 409837	AE-136A	V0035	Product:	0.06	1.36	0.009	0.005	0.15	0.26	0.11	0.1	0.04	0.01	0.042	0	0.07	0.009	0.02	0.0003	0.22	0.0022	0	0.04
EVRAZ Regina - 409837	AE-134D	W0035	Product:	0.06	1.37	0.009	0.005	0.16	0.26	0.11	0.11	0.04	0.01	0.043	0	0.07	0.009	0.02	0.0003	0.22	0.004	0	0.041
EVRAZ Regina - 409837	AE-136A	W0035	Product:	0.06	1.37	0.009	0.005	0.16	0.26	0.11	0.11	0.04	0.01	0.043	0	0.07	0.009	0.02	0.0003	0.22	0.004	0	0.041
EVRAZ Regina - 409838			Heat:	0.05	1.33	0.008	0.004	0.17	0.27	0.1	0.1	0.06	0.011	0.041	0	0.07	0.011	0.02	0.0003	0.21	0.0025	0.001	0.039

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 409895	AE-136A	V0009	Product:	0.05	1.37	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.046	0	0.07	0.01	0.02	0.0002	0.21	0.003	0	0.044
EVRAZ Regina - 409895	AE-134D	W0009	Product:	0.05	1.36	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.0027	0	0.045
EVRAZ Regina - 409895	AE-136A	W0009	Product:	0.05	1.36	0.013	0.002	0.14	0.31	0.11	0.11	0.06	0.014	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.0027	0	0.045
EVRAZ Regina - 528243			Heat:	0.05	1.33	0.01	0.003	0.12	0.29	0.11	0.11	0.09	0.011	0.042	0	0.07	0.008	0.02	0.0002	0.21	0.001	0.002	0.041
EVRAZ Regina - 528243	AE-134D	V0012	Product:	0.05	1.32	0.009	0.003	0.12	0.28	0.11	0.11	0.1	0.011	0.044	0	0.07	0.009	0.02	0.0001	0.21	0.0014	0	0.04
EVRAZ Regina - 528243	AE-134D	W0012	Product:	0.05	1.33	0.009	0.003	0.13	0.28	0.11	0.11	0.1	0.01	0.044	0	0.07	0.009	0.02	0.0001	0.21	0.0016	0	0.04
EVRAZ Regina - 528244			Heat:	0.05	1.33	0.009	0.003	0.16	0.25	0.14	0.1	0.05	0.01	0.039	0	0.07	0.008	0.02	0.0003	0.21	0.0011	0.002	0.037
EVRAZ Regina - 528244	AE-134D	V0009	Product:	0.05	1.33	0.008	0.003	0.16	0.24	0.14	0.1	0.06	0.009	0.04	0	0.06	0.009	0.02	0	0.21	0.0014	0	0.035
EVRAZ Regina - 528244	AE-134D	W0009	Product:	0.05	1.34	0.009	0.003	0.16	0.25	0.14	0.11	0.06	0.01	0.039	0	0.07	0.009	0.02	0.0001	0.21	0.0016	0	0.035
EVRAZ Regina - 528245			Heat:	0.04	1.35	0.009	0.004	0.17	0.29	0.11	0.12	0.04	0.009	0.04	0	0.07	0.008	0.02	0.0003	0.2	0.0015	0.002	0.039
EVRAZ Regina - 528245	AE-134D	V0019	Product:	0.05	1.35	0.009	0.004	0.18	0.28	0.11	0.12	0.04	0.009	0.044	0	0.07	0.008	0.02	0.0001	0.21	0.0022	0	0.041
EVRAZ Regina - 528245	AE-134D	W0019	Product:	0.05	1.33	0.009	0.004	0.17	0.28	0.11	0.12	0.04	0.009	0.043	0	0.07	0.008	0.02	0.0002	0.21	0.0021	0	0.04
EVRAZ Regina - 528246			Heat:	0.05	1.34	0.01	0.004	0.16	0.25	0.14	0.1	0.05	0.009	0.035	0	0.07	0.007	0.01	0.0003	0.21	0.0028	0.001	0.034
EVRAZ Regina - 528246	AE-134D	V0026	Product:	0.06	1.32	0.01	0.005	0.16	0.25	0.13	0.11	0.05	0.009	0.037	0	0.07	0.007	0.01	0.0001	0.22	0.0037	0	0.034
EVRAZ Regina - 528246	AE-134D	W0026	Product:	0.06	1.34	0.01	0.004	0.16	0.25	0.14	0.11	0.05	0.009	0.036	0	0.07	0.007	0.02	0.0001	0.22	0.0026	0	0.032
EVRAZ Regina - 528247			Heat:	0.04	1.32	0.01	0.003	0.18	0.28	0.11	0.1	0.04	0.01	0.043	0	0.07	0.01	0.02	0.0002	0.2	0.002	0.002	0.041
EVRAZ Regina - 528247	AE-134D	V0029	Product:	0.04	1.33	0.01	0.002	0.19	0.27	0.11	0.1	0.04	0.01	0.044	0	0.07	0.01	0.02	0.0002	0.2	0.002	0	0.04
EVRAZ Regina - 528247	AE-134D	W0029	Product:	0.05	1.32	0.009	0.002	0.19	0.27	0.11	0.1	0.04	0.01	0.045	0	0.07	0.01	0.02	0.0001	0.2	0.0021	0	0.041
EVRAZ Regina - 528276			Heat:	0.06	1.35	0.012	0.004	0.19	0.3	0.16	0.08	0.05	0.011	0.032	0	0.07	0.008	0.02	0.0003	0.22	0.0022	0.003	0.032
EVRAZ Regina - 528276	AE-134D	V0002	Product:	0.06	1.33	0.011	0.004	0.2	0.29	0.15	0.09	0.06	0.01	0.034	0	0.07	0.007	0.02	0.0001	0.22	0.0027	0	0.03
EVRAZ Regina - 528276	AE-134D	W0002	Product:	0.06	1.33	0.01	0.003	0.2	0.28	0.15	0.09	0.06	0.01	0.035	0	0.07	0.008	0.02	0.0002	0.22	0.0025	0	0.031
EVRAZ Regina - 528277			Heat:	0.05	1.33	0.01	0.002	0.14	0.24	0.11	0.07	0.04	0.009	0.045	0	0.07	0.008	0.02	0.0003	0.2	0.0016	0.003	0.044
EVRAZ Regina - 528277	AE-134D	V0012	Product:	0.05	1.34	0.01	0.002	0.14	0.23	0.11	0.07	0.04	0.01	0.049	0	0.07	0.008	0.02	0.0002	0.2	0.0014	0	0.046
EVRAZ Regina - 528277	AE-134D	W0012	Product:	0.05	1.33	0.009	0.002	0.14	0.22	0.11	0.07	0.04	0.009	0.05	0	0.07	0.008	0.02	0.0002	0.2	0.0018	0	0.045
EVRAZ Regina - 528278			Heat:	0.05	1.33	0.009	0.002	0.16	0.26	0.11	0.08	0.04	0.009	0.033	0	0.07	0.008	0.02	0.0003	0.2	0.0013	0.002	0.032
EVRAZ Regina - 528278	AE-134D	V0019	Product:	0.05	1.34	0.009	0.002	0.16	0.25	0.11	0.08	0.04	0.009	0.036	0	0.07	0.009	0.02	0.0002	0.2	0.0014	0	0.032
EVRAZ Regina - 528278	AE-134D	W0019	Product:	0.04	1.34	0.009	0.002	0.16	0.25	0.11	0.08	0.04	0.009	0.037	0	0.07	0.008	0.02	0.0002	0.2	0.0016	0	0.034
EVRAZ Regina - 528279			Heat:	0.04	1.33	0.009	0.002	0.14	0.28	0.11	0.12	0.03	0.009	0.04	0	0.07	0.009	0.02	0.0003	0.2	0.0015	0.003	0.039
EVRAZ Regina - 528279	AE-134D	V0026	Product:	0.05	1.32	0.009	0.002	0.15	0.26	0.1	0.12	0.03	0.009	0.045	0	0.07	0.008	0.02	0.0002	0.2	0.0017	0	0.042
EVRAZ Regina - 528279	AE-134D	W0026	Product:	0.05	1.33	0.01	0.002	0.15	0.27	0.11	0.12	0.03	0.01	0.044	0	0.07	0.008	0.02	0.0002	0.21	0.0016	0	0.04
EVRAZ Regina - 528280			Heat:	0.05	1.33	0.01	0.001	0.16	0.33	0.11	0.1	0.03	0.011	0.044	0	0.07	0.009	0.02	0.0003	0.21	0.0018	0.002	0.043
EVRAZ Regina - 528280	AE-134D	V0033	Product:	0.04	1.32	0.009	0.001	0.17	0.31	0.11	0.11	0.03	0.011	0.047	0	0.07	0.009	0.02	0.0001	0.2	0.0019	0	0.042
EVRAZ Regina - 528280	AE-134D	W0033	Product:	0.05	1.32	0.009	0.002	0.17	0.31	0.11	0.1	0.03	0.011	0.047	0	0.07	0.009	0.02	0.0002	0.21	0.0022	0	0.041
EVRAZ Regina - 528317			Heat:	0.06	1.36	0.009	0.003	0.17	0.38	0.11	0.06	0.04	0.011	0.036	0	0.07	0.008	0.02	0.0003	0.22	0.0008	0.001	0.035
EVRAZ Regina - 528317	AE-134D	V0002	Product:	0.06	1.34	0.008	0.003	0.17	0.37	0.1	0.06	0.04	0.01	0.041	0	0.07	0.008	0.02	0.0002	0.21	0.0012	0	0.039
EVRAZ Regina - 528317	AE-134D	W0002	Product:	0.06	1.36	0.009	0.003	0.17	0.37	0.1	0.06	0.04	0.011	0.038	0	0.07	0.008	0.02	0.0002	0.22	0.0013	0	0.036
EVRAZ Regina - 528318			Heat:	0.05	1.33	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.01	0.047	0	0.07	0.011	0.02	0.0003	0.2	0.002	0.001	0.044
EVRAZ Regina - 528318	AE-134D	V0009	Product:	0.04	1.33	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.01	0.05	0	0.07	0.01	0.02	0.0002	0.2	0.002	0	0.048
EVRAZ Regina - 528318	AE-134D	W0009	Product:	0.04	1.34	0.009	0.004	0.16	0.27	0.14	0.09	0.04	0.011	0.048	0	0.07	0.011	0.02	0.0002	0.2	0.0018	0	0.046
EVRAZ Regina - 528319			Heat:	0.04	1.35	0.011	0.004	0.17	0.26	0.11	0.11	0.03	0.009	0.043	0	0.07	0.01	0.02	0.0003	0.2	0.0024	0.001	0.042
EVRAZ Regina - 528319	AE-134D	V0016	Product:	0.04	1.33	0.011	0.004	0.17	0.26	0.11	0.11	0.04	0.01	0.046	0	0.07	0.01	0.02	0.0002	0.2	0.0021	0	0.041
EVRAZ Regina - 528319	AE-134D	W0016	Product:	0.04	1.35	0.012	0.004	0.17	0.26	0.11	0.11	0.04	0.01	0.046	0	0.07	0.01	0.02	0.0002	0.2	0.0018	0	0.041
EVRAZ Regina - 528320			Heat:	0.04	1.34	0.009	0.005	0.16	0.31	0.25	0.1	0.06	0.01	0.046	0	0.07	0.01	0.02	0.0002	0.21	0.0021	0.002	0.044
EVRAZ Regina - 528320	AE-134D	V0022	Product:	0.04	1.35	0.009	0.005	0.16	0.31	0.25	0.11	0.06	0.011	0.049	0	0.07	0.01	0.02	0.0002	0.2	0.002	0	0.046
EVRAZ Regina - 528320	AE-134D	W0022	Product:	0.04	1.35	0.01	0.005	0.16	0.31	0.25	0.11	0.06	0.011	0.049	0	0.07	0.01	0.02	0.0002	0.21	0.0018	0	0.046
EVRAZ Regina - 528321			Heat:	0.04	1.35	0.01	0.002	0.19	0.31	0.16	0.1	0.06	0.011	0.045	0	0.07	0.01	0.02	0.0003	0.21	0.0022	0.001	0.043
EVRAZ Regina - 528321	AE-134D	V0029	Product:	0.04	1.35	0.01	0.002	0.19	0.3	0.16	0.11	0.06	0.011	0.048	0	0.07	0.009	0.02	0.0002	0.21	0.0018	0	0.046
EVRAZ Regina - 528321	AE-134D	W0029	Product:	0.04	1.36	0.01	0.003	0.19	0.3	0.16	0.11	0.06	0.011	0.048	0	0.07	0.009	0.02	0.0002	0.21	0.0014	0	0.046
EVRAZ Regina - 528346			Heat:	0.06	1.32	0.012	0.004	0.19	0.3	0.12	0.11	0.04	0.01	0.052	0	0.07	0.007	0.02	0.0003	0.22	0.0012	0.002	0.05
EVRAZ Regina - 528346	AE-134D	V0002	Product:	0.06	1.33	0.013	0.004	0.19	0.29	0.12	0.11	0.05	0.011	0.055	0	0.07	0.006	0.02	0.0003	0.22	0.0015	0	0.052
EVRAZ Regina - 528346	AE-134D	W0002	Product:	0.06	1.33	0.013	0.004	0.19	0.29	0.12	0.11	0.05	0.011	0.055	0	0.07	0.006	0.02	0.0003	0.22	0.0016	0	0.053
EVRAZ Regina - 528347			Heat:	0.05	1.36	0.009	0.004	0.17	0.29	0.11	0.07	0.04	0.01	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.002	0.002	0.041
EVRAZ Regina - 528347	AE-134D	V0008	Product:	0.05	1.36	0.008	0.005	0.17	0.27	0.1	0.07	0.04	0.011	0.047	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0	0.042
EVRAZ Regina - 528347	AE-134D	W0008	Product:	0.05	1.37	0.009	0.005	0.17															

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 528426			Heat:	0.05	1.35	0.008	0.004	0.2	0.28	0.16	0.12	0.05	0.012	0.039	0	0.07	0.01	0.02	0.0003	0.21	0.0029	0	0.038
EVRAZ Regina - 528426	AE-134D	V0012	Product:	0.05	1.36	0.008	0.003	0.2	0.27	0.17	0.12	0.05	0.014	0.041	0	0.07	0.01	0.02	0.0002	0.22	0.0022	0	0.039
EVRAZ Regina - 528426	AE-134D	W0012	Product:	0.05	1.35	0.008	0.003	0.2	0.27	0.17	0.12	0.05	0.013	0.04	0	0.07	0.011	0.02	0.0002	0.21	0.0023	0	0.038
EVRAZ Regina - 528427			Heat:	0.04	1.35	0.007	0.003	0.19	0.2	0.12	0.08	0.04	0.009	0.05	0	0.07	0.011	0.02	0.0002	0.2	0.0032	0.001	0.048
EVRAZ Regina - 528427	AE-134D	V0016	Product:	0.04	1.36	0.007	0.002	0.18	0.19	0.13	0.08	0.04	0.009	0.053	0	0.07	0.01	0.02	0.0002	0.2	0.0023	0	0.051
EVRAZ Regina - 528427	AE-134D	W0016	Product:	0.04	1.35	0.007	0.002	0.18	0.19	0.13	0.08	0.04	0.009	0.053	0	0.07	0.01	0.02	0.0002	0.2	0.0026	0	0.05
EVRAZ Regina - 528457			Heat:	0.05	1.35	0.012	0.003	0.15	0.29	0.11	0.08	0.03	0.01	0.028	0	0.07	0.007	0.02	0.0003	0.21	0.0025	0.002	0.027
EVRAZ Regina - 528457	AE-134D	V0002	Product:	0.05	1.37	0.012	0.003	0.15	0.29	0.11	0.08	0.03	0.01	0.027	0	0.07	0.006	0.02	0.0003	0.21	0.0024	0.001	0.026
EVRAZ Regina - 528457	AE-134D	W0002	Product:	0.05	1.37	0.012	0.004	0.15	0.3	0.11	0.08	0.03	0.01	0.027	0	0.07	0.007	0.02	0.0002	0.21	0.0023	0.001	0.026
EVRAZ Regina - 528458			Heat:	0.05	1.34	0.012	0.004	0.17	0.32	0.13	0.08	0.04	0.011	0.04	0	0.07	0.008	0.02	0.0003	0.21	0.0021	0.003	0.038
EVRAZ Regina - 528458	AE-134D	V0005	Product:	0.05	1.35	0.011	0.004	0.17	0.32	0.13	0.08	0.04	0.012	0.038	0	0.07	0.008	0.02	0.0003	0.21	0.0022	0.001	0.036
EVRAZ Regina - 528458	AE-134D	W0005	Product:	0.05	1.35	0.012	0.004	0.17	0.32	0.13	0.08	0.04	0.012	0.038	0	0.07	0.008	0.02	0.0002	0.21	0.0022	0.002	0.036
EVRAZ Regina - 528459			Heat:	0.06	1.32	0.011	0.004	0.18	0.28	0.14	0.08	0.05	0.01	0.036	0	0.07	0.01	0.02	0.0003	0.22	0.002	0.002	0.035
EVRAZ Regina - 528459	AE-134D	V0012	Product:	0.05	1.34	0.011	0.003	0.19	0.28	0.13	0.08	0.05	0.01	0.036	0	0.07	0.009	0.02	0.0003	0.21	0.0024	0.002	0.035
EVRAZ Regina - 528459	AE-134D	W0012	Product:	0.05	1.35	0.011	0.003	0.19	0.28	0.14	0.08	0.05	0.01	0.036	0	0.07	0.009	0.02	0.0003	0.21	0.0018	0.003	0.035
EVRAZ Regina - 528477			Heat:	0.06	1.39	0.011	0.003	0.14	0.28	0.13	0.12	0.05	0.011	0.037	0	0.07	0.011	0.02	0.0003	0.23	0.0028	0.001	0.036
EVRAZ Regina - 528477	AE-134D	V0002	Product:	0.06	1.39	0.011	0.003	0.14	0.28	0.13	0.13	0.05	0.012	0.039	0	0.07	0.01	0.02	0.0002	0.23	0.0028	0	0.036
EVRAZ Regina - 528477	AE-134D	W0002	Product:	0.06	1.38	0.011	0.003	0.14	0.28	0.13	0.13	0.05	0.012	0.038	0	0.07	0.009	0.02	0.0002	0.23	0.0026	0	0.035
EVRAZ Regina - 528478			Heat:	0.05	1.34	0.013	0.003	0.16	0.28	0.12	0.11	0.05	0.011	0.042	0	0.07	0.01	0.02	0.0003	0.21	0.002	0.001	0.041
EVRAZ Regina - 528478	AE-134D	V0009	Product:	0.05	1.33	0.013	0.003	0.16	0.27	0.13	0.11	0.05	0.012	0.044	0	0.07	0.01	0.02	0.0002	0.21	0.0017	0	0.04
EVRAZ Regina - 528478	AE-134D	W0009	Product:	0.05	1.33	0.013	0.003	0.16	0.27	0.13	0.11	0.05	0.012	0.045	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0	0.042
EVRAZ Regina - 528479			Heat:	0.05	1.34	0.013	0.003	0.15	0.36	0.13	0.08	0.05	0.012	0.03	0	0.07	0.009	0.02	0.0003	0.21	0.002	0.001	0.028
EVRAZ Regina - 528479	AE-134D	V0016	Product:	0.05	1.34	0.012	0.003	0.16	0.36	0.14	0.08	0.05	0.012	0.031	0	0.07	0.009	0.02	0.0002	0.21	0.0018	0	0.029
EVRAZ Regina - 528479	AE-134D	W0016	Product:	0.05	1.33	0.012	0.003	0.16	0.35	0.14	0.08	0.05	0.012	0.03	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0	0.028
EVRAZ Regina - 528480			Heat:	0.05	1.37	0.01	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.044	0	0.07	0.01	0.02	0.0003	0.21	0.0018	0.001	0.043
EVRAZ Regina - 528480	AE-134D	V0026	Product:	0.05	1.35	0.009	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.046	0	0.07	0.009	0.02	0.0002	0.21	0.0018	0	0.044
EVRAZ Regina - 528480	AE-134D	W0026	Product:	0.05	1.35	0.01	0.002	0.19	0.28	0.14	0.07	0.05	0.011	0.046	0	0.07	0.01	0.02	0.0002	0.2	0.0016	0	0.044
EVRAZ Regina - 528481			Heat:	0.05	1.35	0.008	0.003	0.17	0.26	0.11	0.07	0.05	0.01	0.043	0	0.07	0.009	0.02	0.0002	0.2	0.0021	0.001	0.042
EVRAZ Regina - 528481	AE-134D	V0034	Product:	0.04	1.35	0.008	0.003	0.17	0.25	0.11	0.06	0.05	0.011	0.046	0	0.07	0.01	0.02	0.0001	0.2	0.0021	0	0.042
EVRAZ Regina - 528481	AE-134D	W0034	Product:	0.05	1.37	0.008	0.003	0.17	0.26	0.12	0.07	0.05	0.011	0.046	0	0.08	0.009	0.02	0.0002	0.21	0.0018	0	0.041
EVRAZ Regina - 528482			Heat:	0.04	1.34	0.007	0.003	0.18	0.31	0.11	0.08	0.04	0.012	0.043	0	0.07	0.011	0.02	0.0003	0.2	0.0019	0.001	0.042
EVRAZ Regina - 528482	AE-134D	V0037	Product:	0.04	1.35	0.007	0.002	0.19	0.31	0.11	0.08	0.04	0.013	0.046	0	0.07	0.011	0.02	0.0002	0.2	0.0017	0	0.044
EVRAZ Regina - 528482	AE-134D	W0037	Product:	0.04	1.34	0.007	0.002	0.19	0.31	0.11	0.08	0.03	0.012	0.045	0	0.07	0.011	0.02	0.0002	0.2	0.0017	0	0.043
EVRAZ Regina - 528483			Heat:	0.04	1.36	0.008	0.003	0.18	0.27	0.09	0.09	0.03	0.01	0.041	0	0.07	0.01	0.02	0.0003	0.2	0.0018	0.001	0.04
EVRAZ Regina - 528483	AE-134D	V0044	Product:	0.04	1.35	0.008	0.003	0.19	0.27	0.09	0.09	0.03	0.01	0.043	0	0.07	0.009	0.02	0.0002	0.2	0.0018	0	0.04
EVRAZ Regina - 528483	AE-134D	W0044	Product:	0.04	1.34	0.008	0.003	0.19	0.28	0.09	0.09	0.03	0.01	0.041	0	0.07	0.009	0.02	0.0002	0.2	0.0015	0	0.035
EVRAZ Regina - 528533			Heat:	0.06	1.36	0.009	0.004	0.17	0.31	0.1	0.1	0.03	0.009	0.041	0	0.07	0.009	0.02	0.0002	0.22	0.0024	0.001	0.04
EVRAZ Regina - 528533	AE-134D	V0005	Product:	0.06	1.37	0.008	0.004	0.17	0.3	0.1	0.1	0.03	0.01	0.043	0	0.07	0.009	0.02	0.0002	0.22	0.0021	0	0.04
EVRAZ Regina - 528533	AE-134D	W0005	Product:	0.06	1.39	0.009	0.004	0.17	0.29	0.1	0.1	0.03	0.011	0.044	0	0.07	0.009	0.02	0.0002	0.22	0.0022	0	0.04
EVRAZ Regina - 528534			Heat:	0.05	1.31	0.008	0.003	0.17	0.26	0.08	0.1	0.02	0.008	0.036	0	0.07	0.006	0.02	0.0003	0.2	0.0016	0.001	0.035
EVRAZ Regina - 528534	AE-134D	V0002	Product:	0.05	1.34	0.008	0.003	0.18	0.25	0.08	0.1	0.02	0.009	0.038	0	0.07	0.008	0.02	0.0003	0.21	0.0014	0	0.035
EVRAZ Regina - 528534	AE-134D	W0002	Product:	0.05	1.34	0.008	0.003	0.18	0.25	0.08	0.1	0.02	0.009	0.038	0	0.07	0.006	0.02	0.0003	0.21	0.0015	0	0.035
EVRAZ Regina - 528535			Heat:	0.05	1.37	0.01	0.003	0.18	0.25	0.12	0.12	0.03	0.009	0.04	0	0.07	0.007	0.02	0.0003	0.21	0.002	0.001	0.038
EVRAZ Regina - 528535	AE-134D	V0013	Product:	0.05	1.38	0.01	0.003	0.18	0.23	0.12	0.12	0.04	0.009	0.042	0	0.07	0.008	0.02	0.0002	0.22	0.0018	0	0.037
EVRAZ Regina - 528535	AE-134D	W0013	Product:	0.05	1.38	0.01	0.003	0.18	0.23	0.12	0.12	0.04	0.009	0.043	0	0.07	0.007	0.02	0.0002	0.21	0.0019	0	0.04
EVRAZ Regina - 528539			Heat:	0.04	1.34	0.011	0.003	0.15	0.33	0.14	0.14	0.04	0.012	0.042	0	0.07	0.009	0.02	0.0002	0.21	0.0017	0.001	0.04
EVRAZ Regina - 528539	AE-134D	V0006	Product:	0.04	1.34	0.012	0.003	0.15	0.31	0.14	0.14	0.04	0.012	0.048	0	0.07	0.01	0.02	0.0001	0.21	0.0017	0	0.046
EVRAZ Regina - 528539	AE-134D	W0006	Product:	0.04	1.33	0.012	0.003	0.15	0.31	0.14	0.14	0.04	0.012	0.049	0	0.07	0.01	0.02	0.0001	0.21	0.0021	0	0.047
EVRAZ Regina - 528540			Heat:	0.05	1.34	0.01	0.003	0.15	0.32	0.1	0.1	0.03	0.01	0.033	0	0.07	0.009	0.02	0.0002	0.21	0.0017	0	0.031
EVRAZ Regina - 528540	AE-134D	V0013	Product:	0.05	1.35	0.01	0.003	0.15	0.31	0.1	0.09	0.03	0.01	0.039	0	0.07	0.009	0.02	0.0002	0.21	0.0019	0	0.037
EVRAZ Regina - 528540	AE-134D	W0013	Product:	0.06	1.34	0.01	0.003	0.15	0.31	0.1	0.09	0.03	0.01	0.038	0	0.07	0.009	0.02	0.0002	0.22	0.0018	0	0.035
EVRAZ Regina - 528541			Heat:	0.05	1.36	0.011	0.003	0.18	0.37	0.13	0.1	0.04	0.01	0.044	0	0.07	0.01	0.02	0.0003	0.22	0.0019	0.001	0.043
EVRAZ Regina - 528541	AE-134D	V0020	Product:	0.05	1.36	0.012	0.003	0.18	0.35	0.13	0.11	0.04	0.011	0.05	0	0.07	0.01	0.02	0.0002	0.22	0.0017	0	0.048
EVRAZ Regina - 528541	AE-134D	V0021	Product:	0.05	1.3																		

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 528593			Heat:	0.05	1.36	0.016	0.003	0.14	0.32	0.11	0.12	0.03	0.01	0.049	0	0.07	0.011	0.02	0.0002	0.21	0.0014	0.003	0.048
EVRAZ Regina - 528593	AE-134D	V0009	Product:	0.04	1.35	0.016	0.003	0.14	0.31	0.11	0.12	0.03	0.01	0.049	0	0.07	0.011	0.02	0.0002	0.2	0.0015	0	0.047
EVRAZ Regina - 528593	AE-134D	W0009	Product:	0.05	1.35	0.016	0.003	0.15	0.31	0.11	0.12	0.03	0.01	0.051	0	0.07	0.011	0.02	0.0001	0.21	0.0018	0	0.049
EVRAZ Regina - 528594			Heat:	0.05	1.36	0.015	0.002	0.16	0.27	0.09	0.12	0.03	0.011	0.043	0	0.07	0.009	0.02	0.0003	0.21	0.0023	0.003	0.042
EVRAZ Regina - 528594	AE-134D	V0019	Product:	0.05	1.37	0.015	0.003	0.16	0.26	0.09	0.12	0.03	0.011	0.045	0	0.07	0.009	0.02	0.0001	0.21	0.0022	0	0.043
EVRAZ Regina - 528594	AE-134D	W0019	Product:	0.06	1.36	0.015	0.002	0.16	0.26	0.09	0.12	0.03	0.011	0.046	0	0.07	0.009	0.02	0.0001	0.22	0.002	0	0.044
EVRAZ Regina - 528595			Heat:	0.04	1.32	0.016	0.002	0.14	0.31	0.13	0.13	0.05	0.011	0.041	0	0.07	0.009	0.02	0.0002	0.21	0.0015	0.003	0.039
EVRAZ Regina - 528595	AE-134D	V0029	Product:	0.04	1.31	0.014	0.002	0.14	0.3	0.12	0.13	0.05	0.011	0.044	0	0.07	0.011	0.02	0.0001	0.2	0.0018	0	0.042
EVRAZ Regina - 528595	AE-134D	W0029	Product:	0.04	1.32	0.015	0.002	0.14	0.3	0.12	0.14	0.05	0.011	0.044	0	0.07	0.013	0.02	0.0001	0.2	0.0014	0	0.042
EVRAZ Regina - 528596			Heat:	0.05	1.35	0.01	0.002	0.17	0.32	0.14	0.12	0.05	0.012	0.036	0	0.07	0.009	0.02	0.0003	0.22	0.0017	0.003	0.035
EVRAZ Regina - 528596	AE-134D	V0035	Product:	0.05	1.36	0.01	0.004	0.18	0.31	0.14	0.12	0.05	0.012	0.039	0	0.07	0.01	0.02	0.0002	0.22	0.0023	0	0.037
EVRAZ Regina - 528596	AE-134D	V0036	Product:	0.05	1.37	0.01	0.002	0.18	0.31	0.14	0.12	0.05	0.012	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0017	0	0.04
EVRAZ Regina - 528597			Heat:	0.04	1.32	0.01	0.003	0.14	0.28	0.12	0.11	0.04	0.01	0.044	0	0.07	0.007	0.02	0.0002	0.2	0.002	0.003	0.043
EVRAZ Regina - 528597	AE-134D	W0043	Product:	0.04	1.34	0.01	0.003	0.15	0.27	0.13	0.12	0.04	0.01	0.047	0	0.07	0.008	0.02	0.0001	0.21	0.0016	0	0.045
EVRAZ Regina - 528597	AE-134D	W0044	Product:	0.04	1.34	0.01	0.003	0.15	0.27	0.13	0.12	0.04	0.01	0.046	0	0.07	0.008	0.02	0.0001	0.2	0.0017	0	0.044
EVRAZ Regina - 528632			Heat:	0.06	1.36	0.009	0.004	0.17	0.3	0.22	0.13	0.06	0.012	0.047	0	0.07	0.011	0.02	0.0002	0.23	0.0022	0.002	0.045
EVRAZ Regina - 528632	AE-134D	V0009	Product:	0.06	1.37	0.009	0.003	0.19	0.29	0.22	0.13	0.06	0.013	0.054	0	0.07	0.01	0.02	0.0002	0.23	0.0028	0	0.052
EVRAZ Regina - 528632	AE-134D	W0009	Product:	0.06	1.34	0.008	0.003	0.18	0.29	0.21	0.13	0.06	0.012	0.05	0	0.07	0.011	0.02	0.0001	0.23	0.0024	0	0.048
EVRAZ Regina - 528633			Heat:	0.05	1.35	0.008	0.003	0.17	0.34	0.17	0.11	0.05	0.014	0.049	0	0.07	0.009	0.02	0.0002	0.21	0.0022	0.002	0.048
EVRAZ Regina - 528633	AE-134D	V0012	Product:	0.05	1.34	0.008	0.003	0.17	0.33	0.17	0.11	0.05	0.014	0.052	0	0.07	0.01	0.02	0.0001	0.21	0.0019	0	0.05
EVRAZ Regina - 528633	AE-134D	W0012	Product:	0.05	1.34	0.008	0.002	0.17	0.33	0.17	0.11	0.05	0.014	0.052	0	0.07	0.01	0.02	0.0001	0.21	0.002	0	0.05
EVRAZ Regina - 528634			Heat:	0.05	1.34	0.008	0.002	0.18	0.34	0.15	0.09	0.05	0.014	0.045	0	0.07	0.01	0.02	0.0003	0.21	0.0019	0.002	0.043
EVRAZ Regina - 528634	AE-134D	V0019	Product:	0.05	1.35	0.007	0.002	0.18	0.32	0.15	0.09	0.05	0.015	0.052	0	0.07	0.01	0.02	0.0002	0.22	0.0025	0	0.05
EVRAZ Regina - 528634	AE-134D	W0019	Product:	0.05	1.35	0.007	0.002	0.18	0.32	0.15	0.09	0.05	0.015	0.051	0	0.07	0.01	0.02	0.0002	0.21	0.0021	0	0.049
EVRAZ Regina - 528635			Heat:	0.04	1.36	0.008	0.004	0.15	0.3	0.14	0.13	0.05	0.013	0.044	0	0.07	0.01	0.02	0.0002	0.21	0.0027	0.002	0.043
EVRAZ Regina - 528635	AE-134D	V0026	Product:	0.04	1.37	0.008	0.004	0.15	0.29	0.15	0.13	0.06	0.013	0.048	0	0.07	0.01	0.02	0.0001	0.21	0.0021	0	0.046
EVRAZ Regina - 528635	AE-134D	W0026	Product:	0.05	1.37	0.008	0.003	0.15	0.29	0.15	0.13	0.05	0.013	0.048	0	0.07	0.01	0.02	0.0001	0.22	0.0022	0	0.046
EVRAZ Regina - 528636			Heat:	0.05	1.33	0.009	0.002	0.14	0.28	0.14	0.11	0.04	0.01	0.045	0	0.07	0.01	0.02	0.0002	0.2	0.0025	0.003	0.044
EVRAZ Regina - 528636	AE-134D	V0032	Product:	0.05	1.34	0.008	0.002	0.15	0.28	0.14	0.12	0.04	0.011	0.051	0	0.07	0.01	0.02	0.0001	0.21	0.0032	0	0.049
EVRAZ Regina - 528636	AE-134D	W0032	Product:	0.05	1.31	0.008	0.002	0.14	0.27	0.14	0.12	0.04	0.01	0.05	0	0.07	0.01	0.02	0.0001	0.2	0.0026	0	0.048
EVRAZ Regina - 528637			Heat:	0.05	1.34	0.009	0.003	0.12	0.26	0.12	0.12	0.04	0.01	0.042	0	0.07	0.009	0.02	0.0002	0.21	0.0027	0.002	0.041
EVRAZ Regina - 528637	AE-134D	V0039	Product:	0.05	1.34	0.008	0.002	0.12	0.25	0.12	0.12	0.04	0.01	0.045	0	0.07	0.011	0.02	0.0001	0.21	0.0027	0	0.043
EVRAZ Regina - 528637	AE-134D	W0039	Product:	0.05	1.35	0.008	0.003	0.12	0.25	0.12	0.12	0.04	0.009	0.046	0	0.07	0.01	0.02	0.0001	0.21	0.0031	0	0.044
EVRAZ Regina - 528638			Heat:	0.04	1.33	0.009	0.003	0.14	0.27	0.12	0.1	0.03	0.01	0.047	0	0.07	0.01	0.02	0.0002	0.2	0.0026	0.002	0.046
EVRAZ Regina - 528638	AE-134D	V0046	Product:	0.04	1.34	0.008	0.003	0.14	0.26	0.12	0.1	0.03	0.01	0.051	0	0.07	0.011	0.02	0.0001	0.2	0.0032	0	0.049
EVRAZ Regina - 528638	AE-134D	W0046	Product:	0.04	1.34	0.008	0.003	0.14	0.26	0.12	0.1	0.03	0.01	0.052	0	0.07	0.01	0.02	0.0001	0.2	0.0031	0	0.05
EVRAZ Regina - 528639			Heat:	0.05	1.34	0.011	0.004	0.17	0.31	0.12	0.11	0.03	0.018	0.032	0	0.07	0.009	0.02	0.0002	0.21	0.0016	0.002	0.031
EVRAZ Regina - 528639	AE-134D	V0054	Product:	0.04	1.35	0.011	0.004	0.17	0.3	0.12	0.11	0.03	0.02	0.034	0	0.07	0.01	0.02	0.0001	0.2	0.0016	0	0.032
EVRAZ Regina - 528639	AE-134D	W0054	Product:	0.04	1.35	0.011	0.004	0.17	0.3	0.12	0.1	0.03	0.019	0.033	0	0.07	0.01	0.02	0.0001	0.2	0.0014	0	0.031
EVRAZ Regina - 528679			Heat:	0.06	1.35	0.009	0.003	0.17	0.32	0.15	0.09	0.06	0.012	0.038	0	0.07	0.01	0.02	0.0003	0.22	0.0021	0.002	0.037
EVRAZ Regina - 528679	AE-134D	V0002	Product:	0.06	1.36	0.009	0.004	0.17	0.31	0.14	0.09	0.06	0.012	0.041	0	0.07	0.01	0.02	0.0003	0.22	0.0029	0	0.039
EVRAZ Regina - 528679	AE-134D	W0002	Product:	0.05	1.35	0.009	0.003	0.17	0.3	0.15	0.09	0.06	0.012	0.04	0	0.07	0.011	0.02	0.0003	0.21	0.0026	0	0.038
EVRAZ Regina - 528680			Heat:	0.06	1.34	0.009	0.005	0.14	0.29	0.11	0.08	0.04	0.011	0.03	0	0.07	0.01	0.02	0.0002	0.22	0.0023	0.002	0.029
EVRAZ Regina - 528680	AE-134D	V0005	Product:	0.06	1.35	0.009	0.005	0.14	0.28	0.11	0.08	0.04	0.011	0.031	0	0.07	0.01	0.02	0.0001	0.22	0.0026	0	0.029
EVRAZ Regina - 528680	AE-134D	W0006	Product:	0.07	1.35	0.009	0.005	0.14	0.28	0.11	0.08	0.04	0.011	0.032	0	0.07	0.01	0.02	0.0001	0.23	0.0024	0	0.03
EVRAZ Regina - 528681			Heat:	0.06	1.35	0.011	0.004	0.12	0.3	0.13	0.09	0.03	0.011	0.038	0	0.07	0.009	0.02	0.0002	0.22	0.0022	0.003	0.037
EVRAZ Regina - 528681	AE-134D	W0015	Product:	0.06	1.36	0.011	0.005	0.12	0.29	0.13	0.09	0.03	0.011	0.041	0	0.07	0.01	0.02	0.0001	0.22	0.0035	0	0.039
EVRAZ Regina - 528681	AE-134D	W0016	Product:	0.06	1.36	0.01	0.005	0.13	0.29	0.13	0.09	0.03	0.011	0.04	0	0.07	0.01	0.02	0.0001	0.22	0.0024	0	0.038
EVRAZ Regina - 528682			Heat:	0.04	1.35	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.01	0.043	0	0.07	0.008	0.02	0.0002	0.2	0.003	0.002	0.041
EVRAZ Regina - 528682	AE-134D	V0022	Product:	0.04	1.36	0.011	0.005	0.14	0.26	0.14	0.11	0.04	0.01	0.045	0	0.07	0.009	0.02	0.0001	0.2	0.003	0	0.043
EVRAZ Regina - 528682	AE-136A	V0022	Product:	0.04	1.36	0.011	0.005	0.14	0.26	0.14	0.11	0.04	0.01	0.045	0	0.07	0.009	0.02	0.0001	0.2	0.003	0	0.043
EVRAZ Regina - 528682	AE-134D	W0022	Product:	0.04	1.34	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.009	0.045	0	0.07	0.008	0.02	0.0001	0.2	0.0033	0	0.043
EVRAZ Regina - 528682	AE-136A	W0022	Product:	0.04	1.34	0.011	0.005	0.14	0.27	0.14	0.11	0.04	0.009	0.045	0	0.07	0.008	0.02	0.0001	0.2	0.0033	0	0.043
EVRAZ Regina - 528683			Heat:	0.05	1.33	0.01	0.003																

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 528729	AE-134D	V0036	Product:	0.05	1.32	0.01	0.003	0.15	0.29	0.13	0.11	0.05	0.011	0.041	0	0.07	0.011	0.01	0.0001	0.21	0.0024	0	0.039
EVRAZ Regina - 528729	AE-134D	W0036	Product:	0.05	1.33	0.009	0.003	0.16	0.29	0.13	0.11	0.06	0.011	0.041	0	0.07	0.011	0.02	0.0001	0.21	0.0018	0	0.039
EVRAZ Regina - 528768			Heat:	0.05	1.35	0.008	0.003	0.19	0.23	0.08	0.1	0.02	0.008	0.04	0	0.07	0.01	0.02	0.0002	0.21	0.0025	0.003	0.039
EVRAZ Regina - 528768	AE-134D	W0005	Product:	0.05	1.36	0.008	0.003	0.19	0.22	0.08	0.11	0.02	0.008	0.043	0	0.07	0.01	0.02	0.0001	0.21	0.002	0	0.041
EVRAZ Regina - 528768	AE-134D	W0006	Product:	0.05	1.36	0.008	0.003	0.19	0.22	0.08	0.11	0.02	0.008	0.043	0	0.07	0.01	0.02	0.0001	0.21	0.0022	0	0.041
EVRAZ Regina - 528769			Heat:	0.05	1.33	0.009	0.003	0.17	0.26	0.1	0.09	0.03	0.009	0.045	0	0.07	0.009	0.02	0.0002	0.2	0.0027	0.003	0.044
EVRAZ Regina - 528769	AE-134D	V0012	Product:	0.05	1.36	0.009	0.003	0.18	0.26	0.1	0.09	0.03	0.009	0.046	0	0.07	0.01	0.02	0.0001	0.21	0.0018	0	0.044
EVRAZ Regina - 528769	AE-134D	W0012	Product:	0.05	1.34	0.009	0.003	0.17	0.25	0.1	0.09	0.03	0.009	0.047	0	0.07	0.01	0.02	0.0001	0.2	0.002	0	0.045
EVRAZ Regina - 528772			Heat:	0.04	1.35	0.01	0.002	0.19	0.26	0.12	0.14	0.04	0.009	0.049	0	0.07	0.009	0.02	0.0003	0.2	0.0025	0.003	0.048
EVRAZ Regina - 528772	AE-134D	V0028	Product:	0.04	1.37	0.01	0.002	0.19	0.26	0.12	0.14	0.05	0.009	0.052	0	0.07	0.009	0.02	0.0002	0.21	0.0025	0	0.049
EVRAZ Regina - 528772	AE-134D	W0028	Product:	0.04	1.38	0.01	0.002	0.19	0.26	0.12	0.14	0.05	0.009	0.052	0	0.07	0.009	0.02	0.0002	0.21	0.002	0	0.049
EVRAZ Regina - 528773			Heat:	0.05	1.39	0.01	0.002	0.21	0.25	0.1	0.12	0.04	0.01	0.04	0	0.07	0.01	0.02	0.0003	0.22	0.0018	0.002	0.04
EVRAZ Regina - 528773	AE-134D	V0035	Product:	0.05	1.4	0.01	0.001	0.21	0.25	0.1	0.12	0.03	0.01	0.043	0	0.07	0.01	0.02	0.0002	0.22	0.0017	0	0.04
EVRAZ Regina - 528773	AE-134D	V0036	Product:	0.05	1.4	0.01	0.001	0.21	0.25	0.1	0.12	0.03	0.01	0.043	0	0.07	0.01	0.02	0.0002	0.22	0.002	0	0.04
EVRAZ Regina - 528807			Heat:	0.05	1.34	0.01	0.003	0.13	0.24	0.1	0.09	0.03	0.01	0.049	0	0.07	0.01	0.02	0.0002	0.2	0.0023	0.002	0.047
EVRAZ Regina - 528807	AE-134D	V0002	Product:	0.05	1.34	0.009	0.004	0.14	0.23	0.1	0.1	0.04	0.01	0.053	0	0.07	0.01	0.02	0.0001	0.2	0.0022	0	0.051
EVRAZ Regina - 528807	AE-134D	W0002	Product:	0.05	1.35	0.01	0.004	0.14	0.23	0.1	0.1	0.03	0.01	0.052	0	0.07	0.01	0.02	0.0001	0.21	0.002	0	0.05
EVRAZ Regina - 528808			Heat:	0.05	1.35	0.011	0.004	0.15	0.26	0.11	0.09	0.03	0.01	0.037	0	0.07	0.01	0.01	0.0002	0.21	0.0014	0.002	0.033
EVRAZ Regina - 528808	AE-134D	V0006	Product:	0.06	1.36	0.011	0.004	0.16	0.26	0.11	0.1	0.03	0.01	0.039	0	0.06	0.01	0.02	0.0001	0.22	0.0029	0	0.035
EVRAZ Regina - 528808	AE-134D	W0006	Product:	0.06	1.37	0.011	0.004	0.16	0.26	0.11	0.1	0.03	0.01	0.04	0	0.07	0.01	0.02	0.0001	0.22	0.0032	0	0.036
EVRAZ Regina - 528809			Heat:	0.05	1.34	0.008	0.003	0.14	0.29	0.12	0.08	0.05	0.01	0.042	0	0.07	0.01	0.02	0.0002	0.21	0.0021	0.003	0.042
EVRAZ Regina - 528809	AE-134D	V0009	Product:	0.05	1.34	0.007	0.003	0.14	0.29	0.12	0.08	0.06	0.01	0.045	0	0.07	0.01	0.02	0.0001	0.2	0.0031	0	0.04
EVRAZ Regina - 528809	AE-134D	W0009	Product:	0.05	1.35	0.008	0.003	0.14	0.29	0.12	0.08	0.06	0.01	0.045	0	0.07	0.01	0.02	0.0001	0.21	0.0025	0	0.042
EVRAZ Regina - 528810			Heat:	0.04	1.34	0.009	0.003	0.12	0.33	0.1	0.08	0.05	0.011	0.035	0	0.07	0.009	0.02	0.0002	0.2	0.0022	0.003	0.033
EVRAZ Regina - 528810	AE-134D	V0016	Product:	0.05	1.35	0.009	0.003	0.12	0.33	0.1	0.08	0.05	0.011	0.037	0	0.07	0.01	0.02	0.0001	0.2	0.0031	0	0.035
EVRAZ Regina - 528810	AE-134D	W0016	Product:	0.05	1.36	0.009	0.004	0.12	0.33	0.1	0.08	0.05	0.011	0.038	0	0.07	0.01	0.02	0.0004	0.21	0.0033	0	0.035
EVRAZ Regina - 528811			Heat:	0.05	1.37	0.008	0.003	0.11	0.27	0.12	0.08	0.06	0.01	0.04	0	0.07	0.013	0.02	0.0002	0.21	0.0022	0.003	0.039
EVRAZ Regina - 528811	AE-134D	V0023	Product:	0.05	1.39	0.008	0.003	0.11	0.26	0.12	0.08	0.06	0.01	0.041	0	0.07	0.014	0.02	0.0001	0.21	0.0022	0	0.035
EVRAZ Regina - 528811	AE-134D	W0023	Product:	0.05	1.38	0.007	0.003	0.11	0.26	0.12	0.08	0.06	0.01	0.042	0	0.07	0.014	0.02	0.0001	0.21	0.0024	0	0.037
EVRAZ Regina - 528812			Heat:	0.05	1.34	0.009	0.002	0.13	0.26	0.1	0.08	0.03	0.009	0.036	0	0.07	0.009	0.02	0.0002	0.2	0.0024	0.002	0.035
EVRAZ Regina - 528812	AE-134D	432	Product:	0.05	1.35	0.009	0.002	0.13	0.25	0.1	0.08	0.03	0.009	0.036	0	0.07	0.01	0.02	0.0001	0.2	0.0023	0	0.032
EVRAZ Regina - 528812	AE-134D	433	Product:	0.05	1.35	0.009	0.002	0.13	0.25	0.1	0.08	0.03	0.009	0.036	0	0.07	0.01	0.02	0.0001	0.2	0.002	0	0.032
EVRAZ Regina - 528853			Heat:	0.06	1.38	0.011	0.003	0.21	0.36	0.11	0.09	0.04	0.011	0.051	0	0.07	0.01	0.02	0.0002	0.22	0.001	0.001	0.046
EVRAZ Regina - 528853	AE-134D	V0016	Product:	0.05	1.36	0.01	0.003	0.21	0.34	0.11	0.09	0.04	0.01	0.054	0	0.06	0.009	0.02	0.0001	0.21	0.0013	0	0.052
EVRAZ Regina - 528853	AE-136A	V0016	Product:	0.05	1.36	0.01	0.003	0.21	0.34	0.11	0.09	0.04	0.01	0.054	0	0.06	0.009	0.02	0.0001	0.21	0.0013	0	0.052
EVRAZ Regina - 528853	AE-134D	W0016	Product:	0.05	1.38	0.01	0.003	0.21	0.35	0.11	0.09	0.04	0.011	0.053	0	0.07	0.009	0.02	0.0001	0.22	0.0013	0	0.051
EVRAZ Regina - 528853	AE-136A	W0016	Product:	0.05	1.38	0.01	0.003	0.21	0.35	0.11	0.09	0.04	0.011	0.053	0	0.07	0.009	0.02	0.0001	0.22	0.0013	0	0.051
EVRAZ Regina - 528854			Heat:	0.06	1.35	0.01	0.003	0.18	0.3	0.1	0.09	0.03	0.01	0.031	0	0.07	0.007	0.02	0.0002	0.22	0.001	0.002	0.031
EVRAZ Regina - 528854	AE-134D	V0022	Product:	0.05	1.34	0.009	0.004	0.18	0.29	0.1	0.09	0.03	0.01	0.033	0	0.07	0.009	0.02	0.0001	0.21	0.001	0	0.031
EVRAZ Regina - 528854	AE-136A	V0022	Product:	0.05	1.34	0.009	0.004	0.18	0.29	0.1	0.09	0.03	0.01	0.033	0	0.07	0.009	0.02	0.0001	0.21	0.001	0	0.031
EVRAZ Regina - 528854	AE-134D	W0022	Product:	0.06	1.36	0.009	0.003	0.18	0.29	0.1	0.09	0.03	0.01	0.033	0	0.07	0.008	0.02	0.0001	0.22	0.0014	0	0.031
EVRAZ Regina - 528854	AE-136A	W0022	Product:	0.06	1.36	0.009	0.003	0.18	0.29	0.1	0.09	0.03	0.01	0.033	0	0.07	0.008	0.02	0.0001	0.22	0.0014	0	0.031
EVRAZ Regina - 528855			Heat:	0.05	1.31	0.012	0.003	0.19	0.36	0.11	0.11	0.04	0.011	0.038	0	0.07	0.006	0.02	0.0002	0.21	0.0009	0.001	0.037
EVRAZ Regina - 528855	AE-134D	V0029	Product:	0.05	1.32	0.012	0.003	0.19	0.35	0.12	0.11	0.05	0.012	0.04	0	0.07	0.006	0.02	0.0001	0.21	0.0012	0	0.038
EVRAZ Regina - 528855	AE-134D	W0029	Product:	0.05	1.3	0.011	0.003	0.19	0.35	0.11	0.11	0.05	0.011	0.04	0	0.07	0.007	0.02	0.0001	0.21	0.0009	0	0.038
EVRAZ Regina - 528864			Heat:	0.05	1.36	0.008	0.004	0.18	0.33	0.11	0.11	0.05	0.01	0.037	0	0.07	0.01	0.02	0.0002	0.22	0.0029	0.001	0.036
EVRAZ Regina - 528864	AE-134D	V0005	Product:	0.06	1.33	0.007	0.004	0.18	0.3	0.11	0.11	0.05	0.01	0.041	0	0.07	0.01	0.02	0.0002	0.22	0.0026	0	0.039
EVRAZ Regina - 528864	AE-134D	V0006	Product:	0.06	1.35	0.008	0.004	0.19	0.32	0.11	0.11	0.05	0.01	0.04	0	0.07	0.01	0.02	0.0001	0.22	0.0021	0	0.038
EVRAZ Regina - 528865			Heat:	0.06	1.35	0.009	0.002	0.17	0.3	0.12	0.12	0.06	0.012	0.038	0	0.07	0.009	0.02	0.0002	0.22	0.0022	0.001	0.037
EVRAZ Regina - 528865	AE-134D	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0	0.07	0.009	0.02	0.0001	0.22	0.002	0	0.039
EVRAZ Regina - 528865	AE-136A	V0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.13	0.13	0.06	0.012	0.041	0	0.07	0.009	0.02	0.0001	0.22	0.002	0	0.039
EVRAZ Regina - 528865	AE-134D	W0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.12	0.13	0.06	0.012	0.041	0	0.07	0.011	0.02	0.0001	0.22	0.0022	0	0.039
EVRAZ Regina - 528865	AE-136A	W0012	Product:	0.06	1.34	0.009	0.003	0.18	0.29	0.12	0.13	0.06	0.012	0.041	0	0.07	0.011	0.02	0.0001	0.22	0.0022	0	0.039
EVRAZ Regina - 528866			Heat:	0.04	1.34	0.008	0.004	0.16	0.25														

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 528885	AE-134D	V0006	Product:	0.04	1.34	0.008	0.002	0.18	0.31	0.11	0.09	0.05	0.01	0.043	0	0.07	0.007	0.02	0.0001	0.2	0.003	0	0.041
EVRAZ Regina - 528885	AE-136A	V0006	Product:	0.04	1.34	0.008	0.002	0.18	0.31	0.11	0.09	0.05	0.01	0.043	0	0.07	0.007	0.02	0.0001	0.2	0.003	0	0.041
EVRAZ Regina - 528886			Heat:	0.05	1.39	0.01	0.003	0.17	0.31	0.11	0.11	0.05	0.011	0.05	0	0.07	0.008	0.02	0.0002	0.21	0.0027	0	0.049
EVRAZ Regina - 528886	AE-134D	V0013	Product:	0.05	1.37	0.009	0.002	0.18	0.3	0.11	0.1	0.05	0.01	0.052	0	0.07	0.008	0.02	0.0001	0.21	0.0024	0	0.05
EVRAZ Regina - 528886	AE-136A	V0013	Product:	0.05	1.37	0.009	0.002	0.18	0.3	0.11	0.1	0.05	0.01	0.052	0	0.07	0.008	0.02	0.0001	0.21	0.0024	0	0.05
EVRAZ Regina - 528886	AE-134D	W0013	Product:	0.05	1.38	0.009	0.003	0.18	0.3	0.12	0.1	0.05	0.011	0.052	0	0.07	0.008	0.02	0.0001	0.21	0.0026	0	0.05
EVRAZ Regina - 528886	AE-136A	W0013	Product:	0.05	1.38	0.009	0.003	0.18	0.3	0.12	0.1	0.05	0.011	0.052	0	0.07	0.008	0.02	0.0001	0.21	0.0026	0	0.05
EVRAZ Regina - 528887			Heat:	0.04	1.33	0.011	0.004	0.17	0.28	0.11	0.11	0.04	0.009	0.046	0	0.07	0.009	0.02	0.0002	0.2	0.0012	0	0.045
EVRAZ Regina - 528887	AE-134D	V0019	Product:	0.04	1.33	0.011	0.003	0.17	0.27	0.11	0.12	0.04	0.009	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.0012	0	0.046
EVRAZ Regina - 528887	AE-136A	V0019	Product:	0.04	1.33	0.011	0.003	0.17	0.27	0.11	0.12	0.04	0.009	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.0012	0	0.046
EVRAZ Regina - 528887	AE-134D	V0020	Product:	0.04	1.34	0.011	0.003	0.18	0.27	0.11	0.12	0.04	0.01	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.001	0	0.046
EVRAZ Regina - 528887	AE-136A	V0020	Product:	0.04	1.34	0.011	0.003	0.18	0.27	0.11	0.12	0.04	0.01	0.048	0	0.07	0.01	0.02	0.0001	0.2	0.001	0	0.046
EVRAZ Regina - 528888			Heat:	0.04	1.34	0.01	0.002	0.15	0.28	0.11	0.12	0.03	0.009	0.038	0	0.07	0.01	0.01	0.0002	0.2	0.0013	0	0.037
EVRAZ Regina - 528888	AE-134D	V0028	Product:	0.04	1.31	0.009	0.003	0.14	0.26	0.1	0.11	0.03	0.008	0.036	0	0.06	0.01	0.01	0.0002	0.2	0.0014	0.001	0.035
EVRAZ Regina - 528888	AE-136A	V0028	Product:	0.04	1.31	0.009	0.003	0.14	0.26	0.1	0.11	0.03	0.008	0.036	0	0.06	0.01	0.01	0.0002	0.2	0.0014	0.001	0.035
EVRAZ Regina - 528888	AE-134D	W0028	Product:	0.04	1.34	0.009	0.002	0.14	0.27	0.11	0.11	0.03	0.009	0.037	0	0.06	0.01	0.01	0.0002	0.2	0.0013	0.001	0.037
EVRAZ Regina - 528888	AE-136A	W0028	Product:	0.04	1.34	0.009	0.002	0.14	0.27	0.11	0.11	0.03	0.009	0.037	0	0.06	0.01	0.01	0.0002	0.2	0.0013	0.001	0.037
EVRAZ Regina - 528915			Heat:	0.05	1.36	0.009	0.003	0.15	0.3	0.15	0.09	0.08	0.011	0.045	0	0.07	0.011	0.02	0.0002	0.21	0.002	0	0.043
EVRAZ Regina - 528915	AE-134D	V0004	Product:	0.05	1.37	0.009	0.003	0.15	0.29	0.15	0.09	0.08	0.011	0.047	0	0.07	0.01	0.02	0.0001	0.21	0.0016	0	0.045
EVRAZ Regina - 528915	AE-136A	V0004	Product:	0.05	1.37	0.009	0.003	0.15	0.29	0.15	0.09	0.08	0.011	0.047	0	0.07	0.01	0.02	0.0001	0.21	0.0016	0	0.045
EVRAZ Regina - 528915	AE-134D	V0006	Product:	0.05	1.37	0.009	0.004	0.15	0.3	0.15	0.09	0.08	0.011	0.046	0	0.07	0.009	0.02	0.0001	0.22	0.0016	0	0.044
EVRAZ Regina - 528915	AE-136A	V0006	Product:	0.05	1.37	0.009	0.004	0.15	0.3	0.15	0.09	0.08	0.011	0.046	0	0.07	0.009	0.02	0.0001	0.22	0.0016	0	0.044
EVRAZ Regina - 528916			Heat:	0.05	1.34	0.007	0.003	0.14	0.33	0.13	0.08	0.06	0.012	0.04	0	0.07	0.008	0.02	0.0002	0.21	0.0019	0.001	0.039
EVRAZ Regina - 528916	AE-134D	V0008	Product:	0.05	1.35	0.007	0.003	0.14	0.33	0.14	0.09	0.06	0.012	0.043	0	0.07	0.008	0.02	0.0002	0.21	0.0019	0	0.041
EVRAZ Regina - 528916	AE-136A	V0008	Product:	0.05	1.35	0.007	0.003	0.14	0.33	0.14	0.09	0.06	0.012	0.043	0	0.07	0.008	0.02	0.0002	0.21	0.0019	0	0.041
EVRAZ Regina - 528916	AE-134D	W0008	Product:	0.05	1.33	0.007	0.003	0.14	0.33	0.13	0.09	0.06	0.011	0.042	0	0.07	0.008	0.02	0.0001	0.21	0.0018	0	0.04
EVRAZ Regina - 528916	AE-136A	W0008	Product:	0.05	1.33	0.007	0.003	0.14	0.33	0.13	0.09	0.06	0.011	0.042	0	0.07	0.008	0.02	0.0001	0.21	0.0018	0	0.04
EVRAZ Regina - 528918			Heat:	0.04	1.36	0.009	0.002	0.14	0.23	0.13	0.14	0.04	0.009	0.043	0	0.07	0.007	0.02	0.0002	0.21	0.0008	0	0.043
EVRAZ Regina - 528918	AE-134D	V0025	Product:	0.05	1.36	0.01	0.001	0.14	0.22	0.14	0.14	0.05	0.008	0.047	0	0.07	0.007	0.02	0.0001	0.21	0.0008	0	0.045
EVRAZ Regina - 528918	AE-136A	V0025	Product:	0.05	1.36	0.01	0.001	0.14	0.22	0.14	0.14	0.05	0.008	0.047	0	0.07	0.007	0.02	0.0001	0.21	0.0008	0	0.045
EVRAZ Regina - 528918	AE-134D	W0025	Product:	0.04	1.37	0.01	0.001	0.14	0.23	0.14	0.14	0.05	0.009	0.046	0	0.07	0.008	0.02	0.0001	0.21	0.0008	0	0.044
EVRAZ Regina - 528918	AE-136A	W0025	Product:	0.04	1.37	0.01	0.001	0.14	0.23	0.14	0.14	0.05	0.009	0.046	0	0.07	0.008	0.02	0.0001	0.21	0.0008	0	0.044
EVRAZ Regina - 528919			Heat:	0.05	1.4	0.008	0.005	0.14	0.27	0.25	0.13	0.05	0.01	0.049	0	0.07	0.008	0.02	0.0002	0.22	0.0034	0.001	0.046
EVRAZ Regina - 528919	AE-134D	V0032	Product:	0.06	1.4	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.01	0.052	0	0.07	0.008	0.02	0.0001	0.23	0.0036	0	0.05
EVRAZ Regina - 528919	AE-136A	V0032	Product:	0.06	1.4	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.01	0.052	0	0.07	0.008	0.02	0.0001	0.23	0.0036	0	0.05
EVRAZ Regina - 528919	AE-134D	W0032	Product:	0.06	1.39	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.01	0.049	0	0.07	0.008	0.02	0.0002	0.23	0.0033	0.001	0.048
EVRAZ Regina - 528919	AE-136A	W0032	Product:	0.06	1.39	0.008	0.005	0.14	0.26	0.25	0.13	0.05	0.01	0.049	0	0.07	0.008	0.02	0.0002	0.23	0.0033	0.001	0.048
EVRAZ Regina - 528920			Heat:	0.05	1.34	0.01	0.002	0.14	0.27	0.13	0.13	0.03	0.011	0.037	0	0.07	0.01	0.02	0.0002	0.21	0.0009	0	0.036
EVRAZ Regina - 528920	AE-134D	V0035	Product:	0.05	1.35	0.01	0.002	0.14	0.27	0.12	0.14	0.03	0.011	0.039	0	0.07	0.009	0.02	0.0001	0.21	0.0008	0	0.037
EVRAZ Regina - 528920	AE-136A	V0035	Product:	0.05	1.35	0.01	0.002	0.14	0.27	0.12	0.14	0.03	0.011	0.039	0	0.07	0.009	0.02	0.0001	0.21	0.0008	0	0.037
EVRAZ Regina - 528920	AE-134D	W0035	Product:	0.05	1.34	0.009	0.002	0.14	0.26	0.12	0.13	0.03	0.011	0.042	0	0.07	0.009	0.02	0.0001	0.21	0.0015	0	0.04
EVRAZ Regina - 528920	AE-136A	W0035	Product:	0.05	1.34	0.009	0.002	0.14	0.26	0.12	0.13	0.03	0.011	0.042	0	0.07	0.009	0.02	0.0001	0.21	0.0015	0	0.04
EVRAZ Regina - 528948			Heat:	0.05	1.35	0.011	0.004	0.16	0.34	0.11	0.11	0.03	0.012	0.046	0	0.07	0.01	0.02	0.0002	0.21	0.0015	0	0.045
EVRAZ Regina - 528948	AE-134D	V0005	Product:	0.05	1.33	0.01	0.004	0.16	0.33	0.12	0.11	0.03	0.011	0.05	0	0.07	0.01	0.02	0.0001	0.21	0.0014	0	0.048
EVRAZ Regina - 528948	AE-136A	V0005	Product:	0.05	1.33	0.01	0.004	0.16	0.33	0.12	0.11	0.03	0.011	0.05	0	0.07	0.01	0.02	0.0001	0.21	0.0014	0	0.048
EVRAZ Regina - 528948	AE-134D	W0005	Product:	0.05	1.35	0.011	0.003	0.16	0.33	0.12	0.12	0.03	0.011	0.05	0	0.07	0.01	0.02	0.0001	0.21	0.0014	0	0.048
EVRAZ Regina - 528948	AE-136A	W0005	Product:	0.05	1.35	0.011	0.003	0.16	0.33	0.12	0.12	0.03	0.011	0.05	0	0.07	0.01	0.02	0.0001	0.21	0.0014	0	0.048
EVRAZ Regina - 528949			Heat:	0.04	1.37	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.011	0.037	0	0.07	0.007	0.02	0.0002	0.21	0.0016	0.001	0.036
EVRAZ Regina - 528949	AE-134D	V0011	Product:	0.04	1.38	0.013	0.003	0.15	0.33	0.12	0.14	0.04	0.01	0.038	0	0.07	0.008	0.02	0.0003	0.21	0.0019	0.001	0.036
EVRAZ Regina - 528949	AE-136A	V0011	Product:	0.04	1.38	0.013	0.003	0.15	0.33	0.12	0.14	0.04	0.01	0.038	0	0.07	0.008	0.02	0.0003	0.21	0.0019	0.001	0.036
EVRAZ Regina - 528949	AE-134D	W0011	Product:	0.04	1.38	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.01	0.037	0	0.07	0.008	0.02	0.0003	0.21	0.0015	0.001	0.036
EVRAZ Regina - 528949	AE-136A	W0011	Product:	0.04	1.38	0.013	0.002	0.15	0.33	0.12	0.14	0.04	0.01	0.037	0	0.07	0.008	0.02	0.0003	0.21	0.0015	0.001	0.036
EVRAZ Regina - 528950			Heat:	0.04	1.33	0.01	0.004	0.13	0.34	0.13	0.12	0.03	0.012	0.047	0	0.07	0.008	0.02	0.0002	0.2	0.0015	0.001	0.046
EVRAZ Regina -																							

Supplier - Heat	Chng	Prod ID	Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Cb	N2	Ti	B	CEQ	Ca	Ce	SoAl
EVRAZ Regina - 529032	AE-136A	V0002	Product:	0.05	1.35	0.013	0.002	0.18	0.31	0.14	0.1	0.05	0.012	0.048	0	0.07	0.007	0.02	0.0002	0.21	0.0026	0	0.046
EVRAZ Regina - 529032	AE-134D	W0002	Product:	0.05	1.35	0.013	0.002	0.18	0.32	0.14	0.1	0.05	0.012	0.047	0	0.07	0.007	0.02	0.0002	0.21	0.0025	0	0.045
EVRAZ Regina - 529032	AE-136A	W0002	Product:	0.05	1.35	0.013	0.002	0.18	0.32	0.14	0.1	0.05	0.012	0.047	0	0.07	0.007	0.02	0.0002	0.21	0.0025	0	0.045
EVRAZ Regina - 529033			Heat:	0.05	1.35	0.011	0.004	0.14	0.28	0.12	0.08	0.05	0.011	0.039	0	0.07	0.01	0.02	0.0002	0.21	0.0025	0	0.038
EVRAZ Regina - 529033	AE-134D	V0008	Product:	0.05	1.37	0.012	0.004	0.14	0.28	0.12	0.08	0.05	0.012	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0	0.041
EVRAZ Regina - 529033	AE-136A	V0008	Product:	0.05	1.37	0.012	0.004	0.14	0.28	0.12	0.08	0.05	0.012	0.043	0	0.07	0.01	0.02	0.0002	0.21	0.0019	0	0.041
EVRAZ Regina - 529033	AE-134D	V0009	Product:	0.05	1.38	0.012	0.004	0.14	0.28	0.12	0.08	0.05	0.012	0.043	0	0.07	0.009	0.02	0.0002	0.21	0.0016	0	0.041
EVRAZ Regina - 529033	AE-136A	V0009	Product:	0.05	1.38	0.012	0.004	0.14	0.28	0.12	0.08	0.05	0.012	0.043	0	0.07	0.009	0.02	0.0002	0.21	0.0016	0	0.041
EVRAZ Regina - 529034			Heat:	0.05	1.32	0.011	0.004	0.13	0.35	0.12	0.07	0.04	0.013	0.046	0	0.07	0.01	0.02	0.0003	0.2	0.0029	0.001	0.044
EVRAZ Regina - 529034	AE-134D	V0018	Product:	0.05	1.31	0.012	0.004	0.13	0.34	0.12	0.07	0.04	0.014	0.05	0	0.07	0.009	0.02	0.0002	0.2	0.0024	0	0.048
EVRAZ Regina - 529034	AE-136A	V0018	Product:	0.05	1.31	0.012	0.004	0.13	0.34	0.12	0.07	0.04	0.014	0.05	0	0.07	0.009	0.02	0.0002	0.2	0.0024	0	0.048
EVRAZ Regina - 529034	AE-134D	W0018	Product:	0.05	1.33	0.012	0.004	0.13	0.34	0.12	0.07	0.04	0.014	0.05	0	0.07	0.01	0.02	0.0002	0.2	0.0026	0	0.048
EVRAZ Regina - 529034	AE-136A	W0018	Product:	0.05	1.33	0.012	0.004	0.13	0.34	0.12	0.07	0.04	0.014	0.05	0	0.07	0.01	0.02	0.0002	0.2	0.0026	0	0.048
EVRAZ Regina - 529035			Heat:	0.05	1.37	0.01	0.004	0.12	0.28	0.1	0.08	0.03	0.011	0.034	0	0.07	0.01	0.02	0.0003	0.21	0.0027	0	0.033
EVRAZ Regina - 529035	AE-134D	V0025	Product:	0.05	1.36	0.01	0.004	0.13	0.27	0.1	0.08	0.03	0.011	0.035	0	0.07	0.01	0.02	0.0001	0.21	0.0022	0	0.033
EVRAZ Regina - 529035	AE-136A	V0025	Product:	0.05	1.36	0.01	0.004	0.13	0.27	0.1	0.08	0.03	0.011	0.035	0	0.07	0.01	0.02	0.0001	0.21	0.0022	0	0.033
EVRAZ Regina - 529035	AE-136A	W0025	Product:	0.05	1.37	0.009	0.002	0.13	0.27	0.1	0.08	0.03	0.011	0.036	0	0	0.01	0.02	0.0002	0.2	0.0023	0	0.034
EVRAZ Regina - 529036			Heat:	0.05	1.33	0.01	0.005	0.13	0.27	0.1	0.1	0.03	0.01	0.039	0	0.07	0.01	0.02	0.0003	0.2	0.0025	0.001	0.037
EVRAZ Regina - 529036	AE-134D	V0032	Product:	0.05	1.34	0.012	0.005	0.13	0.26	0.11	0.09	0.03	0.01	0.048	0	0.07	0.012	0.02	0.0002	0.2	0.0022	0	0.046
EVRAZ Regina - 529036	AE-136A	V0032	Product:	0.05	1.34	0.012	0.005	0.13	0.26	0.11	0.09	0.03	0.01	0.048	0	0.07	0.012	0.02	0.0002	0.2	0.0022	0	0.046
EVRAZ Regina - 529036	AE-134D	W0032	Product:	0.04	1.34	0.012	0.005	0.13	0.26	0.11	0.09	0.03	0.01	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0018	0	0.046
EVRAZ Regina - 529036	AE-136A	W0032	Product:	0.04	1.34	0.012	0.005	0.13	0.26	0.11	0.09	0.03	0.01	0.048	0	0.07	0.01	0.02	0.0002	0.2	0.0018	0	0.046
EVRAZ Regina - 529037			Heat:	0.05	1.34	0.011	0.004	0.15	0.26	0.1	0.11	0.05	0.01	0.052	0	0.07	0.011	0.02	0.0003	0.21	0.0027	0.001	0.051
EVRAZ Regina - 529037	AE-134D	V0039	Product:	0.05	1.34	0.012	0.005	0.16	0.25	0.1	0.11	0.06	0.01	0.056	0	0.07	0.011	0.02	0.0003	0.21	0.0036	0	0.054
EVRAZ Regina - 529037	AE-136A	V0039	Product:	0.05	1.34	0.012	0.005	0.16	0.25	0.1	0.11	0.06	0.01	0.056	0	0.07	0.011	0.02	0.0003	0.21	0.0036	0	0.054
EVRAZ Regina - 529037	AE-134D	W0039	Product:	0.05	1.35	0.012	0.005	0.15	0.25	0.1	0.12	0.06	0.01	0.053	0	0.07	0.011	0.02	0.0002	0.21	0.0022	0	0.052
EVRAZ Regina - 529037	AE-136A	W0039	Product:	0.05	1.35	0.012	0.005	0.15	0.25	0.1	0.12	0.06	0.01	0.053	0	0.07	0.011	0.02	0.0002	0.21	0.0022	0	0.052
EVRAZ Regina - 529038			Heat:	0.05	1.34	0.015	0.004	0.17	0.25	0.12	0.11	0.05	0.01	0.04	0	0.07	0.009	0.02	0.0003	0.21	0.0025	0.001	0.037
EVRAZ Regina - 529038	AE-134D	V0046	Product:	0.05	1.35	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.01	0.043	0	0.07	0.01	0.02	0.0001	0.21	0.0022	0	0.041
EVRAZ Regina - 529038	AE-136A	V0046	Product:	0.05	1.35	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.01	0.043	0	0.07	0.01	0.02	0.0001	0.21	0.0022	0	0.041
EVRAZ Regina - 529038	AE-134D	W0046	Product:	0.05	1.37	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.01	0.044	0	0.07	0.009	0.02	0.0002	0.21	0.0024	0	0.042
EVRAZ Regina - 529038	AE-136A	W0046	Product:	0.05	1.37	0.015	0.004	0.17	0.24	0.12	0.11	0.05	0.01	0.044	0	0.07	0.009	0.02	0.0002	0.21	0.0024	0	0.042
EVRAZ Regina - 529092			Heat:	0.05	1.34	0.011	0.002	0.18	0.3	0.12	0.09	0.05	0.011	0.04	0	0.07	0.011	0.02	0.0003	0.21	0.0029	0.001	0.038
EVRAZ Regina - 529092	AE-134D	V0002	Product:	0.05	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0	0.07	0.011	0.02	0.0001	0.21	0.002	0	0.04
EVRAZ Regina - 529092	AE-136A	V0002	Product:	0.05	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0	0.07	0.011	0.02	0.0001	0.21	0.002	0	0.04
EVRAZ Regina - 529092	AE-134D	W0002	Product:	0.06	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0	0.07	0.011	0.02	0.0002	0.22	0.0023	0	0.04
EVRAZ Regina - 529092	AE-136A	W0002	Product:	0.06	1.35	0.011	0.002	0.18	0.29	0.12	0.09	0.05	0.012	0.042	0	0.07	0.011	0.02	0.0002	0.22	0.0023	0	0.04
EVRAZ Regina - 529171			Heat:	0.06	1.37	0.009	0.003	0.14	0.3	0.09	0.08	0.04	0.011	0.028	0	0.07	0.008	0.02	0.0002	0.22	0.0025	0.001	0.026
EVRAZ Regina - 529171	AE-134D	V0002	Product:	0.06	1.37	0.01	0.003	0.14	0.31	0.1	0.09	0.04	0.011	0.03	0	0.07	0.007	0.02	0.0001	0.22	0.0025	0	0.028
EVRAZ Regina - 529171	AE-136A	V0002	Product:	0.06	1.37	0.01	0.003	0.14	0.31	0.1	0.09	0.04	0.011	0.03	0	0.07	0.007	0.02	0.0001	0.22	0.0025	0	0.028
EVRAZ Regina - 529171	AE-134D	W0002	Product:	0.06	1.36	0.011	0.003	0.14	0.31	0.1	0.08	0.04	0.011	0.031	0	0.07	0.008	0.02	0.0001	0.22	0.0027	0	0.029
EVRAZ Regina - 529171	AE-136A	W0002	Product:	0.06	1.36	0.011	0.003	0.14	0.31	0.1	0.08	0.04	0.011	0.031	0	0.07	0.008	0.02	0.0001	0.22	0.0027	0	0.029
EVRAZ Regina - 529172			Heat:	0.05	1.35	0.013	0.003	0.13	0.31	0.1	0.1	0.04	0.01	0.034	0	0.07	0.007	0.02	0.0002	0.2	0.0029	0.002	0.033
EVRAZ Regina - 529172	AE-134D	V0005	Product:	0.06	1.36	0.013	0.003	0.14	0.31	0.1	0.1	0.04	0.011	0.035	0	0.07	0.008	0.02	0.0001	0.22	0.0023	0	0.033
EVRAZ Regina - 529172	AE-136A	V0005	Product:	0.06	1.36	0.013	0.003	0.14	0.31	0.1	0.1	0.04	0.011	0.035	0	0.07	0.008	0.02	0.0001	0.22	0.0023	0	0.033
EVRAZ Regina - 529172	AE-134D	W0005	Product:	0.05	1.36	0.013	0.004	0.14	0.31	0.1	0.1	0.04	0.011	0.036	0	0.07	0.008	0.02	0.0001	0.21	0.0026	0	0.034
EVRAZ Regina - 529172	AE-136A	W0005	Product:	0.05	1.36	0.013	0.004	0.14	0.31	0.1	0.1	0.04	0.011	0.036	0	0.07	0.008	0.02	0.0001	0.21	0.0026	0	0.034
EVRAZ Regina - 529173			Heat:	0.05	1.33	0.011	0.002	0.16	0.3	0.09	0.09	0.04	0.012	0.041	0	0.07	0.006	0.02	0.0002	0.2	0.0022	0.001	0.04
EVRAZ Regina - 529173	AE-134D	W0009	Product:	0.05	1.35	0.011	0.002	0.17	0.29	0.09	0.09	0.04	0.013	0.044	0	0.07	0.006	0.02	0.0001	0.21	0.0019	0	0.042
EVRAZ Regina - 529173	AE-136A	W0009	Product:	0.05	1.35	0.011	0.002	0.17	0.29	0.09	0.09	0.04	0.013	0.044	0	0.07	0.006	0.02	0.0001	0.21	0.0019	0	0.042
EVRAZ Regina - 529173	AE-134D	W0010	Product:	0.05	1.34	0.01	0.002	0.17	0.29	0.09	0.09	0.04	0.012	0.044	0	0.07	0.006	0.02	0.0001	0.21	0.0022	0	0.042
EVRAZ Regina - 529173	AE-136A	W0010	Product:	0.05	1.34	0.01	0.002	0.17	0.29	0.09	0.09	0.04	0.012	0.044	0	0.07	0.006	0.02	0.0001	0.21	0.0022	0	0.042

## Tensile Data

The information in this worksheet is modifiable.

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409002	AE-134D	5809-K	MILL CONTROL	PIPE TPA	38.13	483	592	37.4	0.82	-18
EVRAZ Regina - 409002	AE-134D	5809-K	MILL CONTROL	PIPE TWA	38.29	0	609	0	0	-18
EVRAZ Regina - 409003	AE-134D	7636-S	MILL CONTROL	PIPE TPA	38.049	496	580	34.6	0.85	-18
EVRAZ Regina - 409003	AE-134D	7636-S	MILL CONTROL	PIPE TWA	38.359	0	602	0	0	-18
EVRAZ Regina - 409004	AE-134D	6032-T	MILL CONTROL	PIPE TPA	37.93	469	582	34.7	0.81	-18
EVRAZ Regina - 409004	AE-134D	6032-T	MILL CONTROL	PIPE TWA	38.26	0	597	0	0	-18
EVRAZ Regina - 409005	AE-134D	5143-S	MILL CONTROL	PIPE TPA	38.059	499	577	38.2	0.87	-18
EVRAZ Regina - 409005	AE-134D	5143-S	MILL CONTROL	PIPE TWA	38.25	0	596	0	0	-18
EVRAZ Regina - 409005	AE-134D	5252-M	LOT QUALIFIER	PIPE TPA	37.899	472	575	38.1	0.82	-18
EVRAZ Regina - 409005	AE-134D	5252-M	LOT QUALIFIER	PIPE TWA	38.26	0	602	0	0	-18
EVRAZ Regina - 409006	AE-134D	6444-H	MILL CONTROL	PIPE TPA	37.79	498	587	35.2	0.85	-18
EVRAZ Regina - 409006	AE-134D	6444-H	MILL CONTROL	PIPE TWA	38.451	0	596	0	0	-18
EVRAZ Regina - 409036	AE-134D	5024-H	MILL CONTROL	PIPE TPA	38.08	520	613	32.7	0.85	-18
EVRAZ Regina - 409036	AE-134D	5024-H	MILL CONTROL	PIPE TWA	38.24	0	633	0	0	-18
EVRAZ Regina - 409036	AE-134D	5101-S	APPLY / TEST	PIPE TPA	38.049	501	612	30.8	0.82	-18
EVRAZ Regina - 409037	AE-134D	6003-M	MILL CONTROL	PIPE TPA	38.001	501	592	36.6	0.85	-18
EVRAZ Regina - 409037	AE-134D	6003-M	MILL CONTROL	PIPE TWA	38.27	0	609	0	0	-18
EVRAZ Regina - 409038	AE-134D	6211-K	MILL CONTROL	PIPE TPA	38.011	495	586	34.8	0.84	-18
EVRAZ Regina - 409038	AE-134D	6211-K	MILL CONTROL	PIPE TWA	38.331	0	598	0	0	-18
EVRAZ Regina - 409038	AE-134D	6287-H	APPLY / TEST	PIPE TPA	37.78	491	594	32.7	0.83	-18
EVRAZ Regina - 409038	AE-134D	8526-J	LOT QUALIFIER	PIPE TPA	38.049	497	585	35.8	0.85	-18
EVRAZ Regina - 409038	AE-134D	8526-J	LOT QUALIFIER	PIPE TWA	38.481	0	597	0	0	-18
EVRAZ Regina - 409039	AE-134D	5912-N	MILL CONTROL	PIPE TPA	38.1	498	577	36	0.86	-18
EVRAZ Regina - 409039	AE-134D	5912-N	MILL CONTROL	PIPE TWA	38.29	0	592	0	0	-18
EVRAZ Regina - 409040	AE-134D	6521-S	MILL CONTROL	PIPE TPA	37.869	506	591	35.2	0.86	-18
EVRAZ Regina - 409040	AE-134D	6521-S	MILL CONTROL	PIPE TWA	38.471	0	599	0	0	-18
EVRAZ Regina - 409099	AE-134D	5617-M	MILL CONTROL	PIPE TPA	38.029	498	595	37.5	0.84	-18
EVRAZ Regina - 409099	AE-134D	5617-M	MILL CONTROL	PIPE TWA	38.29	0	615	0	0	-18
EVRAZ Regina - 409100	AE-134D	5363-F	MILL CONTROL	PIPE TPA	38.001	495	574	38.1	0.86	-18
EVRAZ Regina - 409100	AE-134D	5363-F	MILL CONTROL	PIPE TWA	38.26	0	590	0	0	-18
EVRAZ Regina - 409101	AE-134D	7282-M	MILL CONTROL	PIPE TWA	38.41	0	589	0	0	-18
EVRAZ Regina - 409101	AE-134D	7282-M,	MILL CONTROL	PIPE TPA	37.991	479	580	35.2	0.83	-18
EVRAZ Regina - 409102	AE-134D	7222-S	MILL CONTROL	PIPE TPA	38.219	473	585	32.6	0.81	-18
EVRAZ Regina - 409102	AE-134D	7222-S	MILL CONTROL	PIPE TWA	38.41	0	606	0	0	-18
EVRAZ Regina - 409103	AE-134D	7774-T	MILL CONTROL	PIPE TPA	38.12	462	578	33.3	0.8	-18
EVRAZ Regina - 409103	AE-134D	7774-T	MILL CONTROL	PIPE TWA	38.43	0	597	0	0	-18
EVRAZ Regina - 409127	AE-134D	6775-F	MILL CONTROL	PIPE TPA	37.841	491	589	36.5	0.83	-18
EVRAZ Regina - 409127	AE-134D	6775-F	MILL CONTROL	PIPE TWA	38.41	0	608	0	0	-18
EVRAZ Regina - 409128	AE-134D	7372-L	MILL CONTROL	PIPE TPA	38.141	497	588	34.4	0.85	-18
EVRAZ Regina - 409128	AE-134D	7372-L	MILL CONTROL	PIPE TWA	38.42	0	599	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409128	AE-134D	9780-S	LOT QUALIFIER	PIPE TPA	37.861	489	574	36.8	0.85	-18
EVRAZ Regina - 409128	AE-134D	9780-S	LOT QUALIFIER	PIPE TWA	38.471	0	599	0	0	-18
EVRAZ Regina - 409129	AE-134D	7991-N	MILL CONTROL	PIPE TPA	38.001	484	590	33	0.82	-18
EVRAZ Regina - 409129	AE-134D	7991-N	MILL CONTROL	PIPE TWA	38.461	0	598	0	0	-18
EVRAZ Regina - 409130	AE-134D	8197-N	MILL CONTROL	PIPE TPA	38.07	470	582	37	0.81	-18
EVRAZ Regina - 409130	AE-134D	8197-N	MILL CONTROL	PIPE TWA	38.41	0	602	0	0	-18
EVRAZ Regina - 409130	AE-134D	8300-F	LOT QUALIFIER	PIPE TPA	38.11	483	580	37	0.83	-18
EVRAZ Regina - 409130	AE-134D	8300-F	LOT QUALIFIER	PIPE TWA	38.451	0	600	0	0	-18
EVRAZ Regina - 409131	AE-134D	7696-M	MILL CONTROL	PIPE TPA	38.151	471	573	35.4	0.82	-18
EVRAZ Regina - 409131	AE-134D	7696-M	MILL CONTROL	PIPE TWA	38.41	0	605	0	0	-18
EVRAZ Regina - 409209	AE-134D	10472-J	MILL CONTROL	PIPE TPA	37.821	473	588	37.5	0.81	-18
EVRAZ Regina - 409209	AE-134D	10472-J	MILL CONTROL	PIPE TWA	38.55	0	601	0	0	-18
EVRAZ Regina - 409210	AE-134D	9483-S	MILL CONTROL	PIPE TPA	37.879	502	595	35.2	0.84	-18
EVRAZ Regina - 409210	AE-134D	9483-S	MILL CONTROL	PIPE TWA	38.499	0	611	0	0	-18
EVRAZ Regina - 409211	AE-134D	10180-M	LOT QUALIFIER	PIPE TPA	37.78	498	621	34.6	0.8	-18
EVRAZ Regina - 409211	AE-134D	10180-M	LOT QUALIFIER	PIPE TWA	38.56	0	623	0	0	-18
EVRAZ Regina - 409211	AE-134D	9963-N	MILL CONTROL	PIPE TPA	37.851	482	608	31.6	0.79	-18
EVRAZ Regina - 409211	AE-134D	9963-N	MILL CONTROL	PIPE TWA	38.55	0	615	0	0	-18
EVRAZ Regina - 409212	AE-134D	10903-S	MILL CONTROL	PIPE TPA	37.92	490	601	33	0.82	-18
EVRAZ Regina - 409212	AE-134D	10903-S	MILL CONTROL	PIPE TWA	38.049	0	619	0	0	-18
EVRAZ Regina - 409213	AE-134D	9513-H	MILL CONTROL	PIPE TPA	37.749	468	588	36.5	0.8	-18
EVRAZ Regina - 409213	AE-134D	9513-H	MILL CONTROL	PIPE TWA	38.499	0	597	0	0	-18
EVRAZ Regina - 409214	AE-134D	9103-S	MILL CONTROL	PIPE TPA	38.08	497	593	35.3	0.84	-18
EVRAZ Regina - 409214	AE-134D	9103-S	MILL CONTROL	PIPE TWA	38.39	0	600	0	0	-18
EVRAZ Regina - 409243	AE-134D	10573-N	MILL CONTROL	PIPE TPA	37.899	479	594	32.6	0.81	-18
EVRAZ Regina - 409243	AE-134D	10573-N	MILL CONTROL	PIPE TWA	38.519	0	608	0	0	-18
EVRAZ Regina - 409244	AE-134D	9913-S	MILL CONTROL	PIPE TPA	37.831	487	581	37.7	0.84	-18
EVRAZ Regina - 409244	AE-134D	9913-S	MILL CONTROL	PIPE TWA	38.509	0	598	0	0	-18
EVRAZ Regina - 409267	AE-134D	14287-L	LOT QUALIFIER	PIPE TPA	37.559	491	585	35.1	0.84	-18
EVRAZ Regina - 409267	AE-134D	14287-L	LOT QUALIFIER	PIPE TWA	38.42	0	603	0	0	-18
EVRAZ Regina - 409267	AE-134D	9173-K	MILL CONTROL	PIPE TPA	38.219	486	595	31.2	0.82	-18
EVRAZ Regina - 409267	AE-134D	9173-K	MILL CONTROL	PIPE TWA	38.4	0	615	0	0	-18
EVRAZ Regina - 409268	AE-134D	10767-K	APPLY / TEST	PIPE TPA	37.991	493	583	36.8	0.85	-18
EVRAZ Regina - 409268	AE-134D	14257-H	LOT QUALIFIER	PIPE TPA	37.549	482	593	34.7	0.81	-18
EVRAZ Regina - 409268	AE-134D	14257-H	LOT QUALIFIER	PIPE TWA	38.461	0	603	0	0	-18
EVRAZ Regina - 409268	AE-134D	9571-F	MILL CONTROL	PIPE TPA	37.91	491	589	40	0.83	-18
EVRAZ Regina - 409268	AE-134D	9571-F	MILL CONTROL	PIPE TWA	38.44	0	597	0	0	-18
EVRAZ Regina - 409269	AE-134D	13309-H	LOT QUALIFIER	PIPE TPA	37.739	471	581	35.6	0.81	-18
EVRAZ Regina - 409269	AE-134D	13309-H	LOT QUALIFIER	PIPE TWA	38.499	0	599	0	0	-18
EVRAZ Regina - 409269	AE-134D	8970-T	MILL CONTROL	PIPE TPA	38.209	486	577	32.4	0.84	-18
EVRAZ Regina - 409269	AE-134D	8970-T	MILL CONTROL	PIPE TWA	38.481	0	596	0	0	-18
EVRAZ Regina - 409270	AE-134D	9365-F	MILL CONTROL	PIPE TPA	38.209	515	591	37.7	0.87	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409270	AE-134D	9365-F	MILL CONTROL	PIPE TWA	38.461	0	595	0	0	-18
EVRAZ Regina - 409271	AE-134D	13190-V	LOT QUALIFIER	PIPE TPA	37.661	491	605	37.8	0.81	-18
EVRAZ Regina - 409271	AE-134D	13190-V	LOT QUALIFIER	PIPE TWA	38.481	0	598	0	0	-18
EVRAZ Regina - 409271	AE-134D	8718-N	MILL CONTROL	PIPE TPA	38.301	460	583	37.9	0.79	-18
EVRAZ Regina - 409271	AE-134D	8718-N	MILL CONTROL	PIPE TWA	38.43	0	602	0	0	-18
EVRAZ Regina - 409272	AE-134D	9600-L	MILL CONTROL	PIPE TPA	37.76	456	583	36.3	0.78	-18
EVRAZ Regina - 409272	AE-134D	9600-L	MILL CONTROL	PIPE TWA	38.451	0	595	0	0	-18
EVRAZ Regina - 409273	AE-134D	9556-T	MILL CONTROL	PIPE TPA	37.899	489	592	34.7	0.83	-18
EVRAZ Regina - 409273	AE-134D	9556-T	MILL CONTROL	PIPE TWA	38.519	0	611	0	0	-18
EVRAZ Regina - 409274	AE-134D	9067-H	MILL CONTROL	PIPE TPA	38.151	504	584	35.3	0.86	-18
EVRAZ Regina - 409274	AE-134D	9067-H	MILL CONTROL	PIPE TWA	38.39	0	602	0	0	-18
EVRAZ Regina - 409329	AE-134D	11509-V	MILL CONTROL	PIPE TPA	37.81	464	566	36.4	0.82	-18
EVRAZ Regina - 409329	AE-134D	11509-V	MILL CONTROL	PIPE TWA	38.41	0	581	0	0	-18
EVRAZ Regina - 409335	AE-134D	11657-V	MILL CONTROL	PIPE TPA	37.981	497	589	34.9	0.84	-18
EVRAZ Regina - 409335	AE-134D	11657-V	MILL CONTROL	PIPE TWA	38.44	0	597	0	0	-18
EVRAZ Regina - 409336	AE-134D	12085-V	MILL CONTROL	PIPE TPA	38.059	469	566	37.2	0.83	-18
EVRAZ Regina - 409336	AE-134D	12085-V	MILL CONTROL	PIPE TWA	38.43	0	584	0	0	-18
EVRAZ Regina - 409336	AE-134D	18417-T	LOT QUALIFIER	PIPE TPA	38.011	473	569	37.3	0.83	-18
EVRAZ Regina - 409336	AE-134D	18417-T	LOT QUALIFIER	PIPE TWA	38.56	0	592	0	0	-18
EVRAZ Regina - 409337	AE-134D	11423-N	MILL CONTROL	PIPE TPA	37.981	510	595	34.3	0.86	-18
EVRAZ Regina - 409337	AE-134D	11423-N	MILL CONTROL	PIPE TWA	38.539	0	602	0	0	-18
EVRAZ Regina - 409338	AE-134D	11453-T	MILL CONTROL	PIPE TPA	38.029	484	586	38.9	0.83	-18
EVRAZ Regina - 409338	AE-134D	11453-T	MILL CONTROL	PIPE TWA	38.349	0	605	0	0	-18
EVRAZ Regina - 409338	AE-134D	15449-S	LOT QUALIFIER	PIPE TPA	37.97	471	576	33.3	0.82	-18
EVRAZ Regina - 409338	AE-134D	15449-S	LOT QUALIFIER	PIPE TWA	38.4	0	596	0	0	-18
EVRAZ Regina - 409339	AE-134D	11891-T	MILL CONTROL	PIPE TPA	37.861	471	587	37.2	0.8	-18
EVRAZ Regina - 409339	AE-134D	11891-T	MILL CONTROL	PIPE TWA	38.369	0	604	0	0	-18
EVRAZ Regina - 409339	AE-134D	14272-K	LOT QUALIFIER	PIPE TPA	37.46	500	596	34.6	0.84	-18
EVRAZ Regina - 409339	AE-134D	14272-K	LOT QUALIFIER	PIPE TWA	38.499	0	602	0	0	-18
EVRAZ Regina - 409340	AE-134D	11157-J	MILL CONTROL	PIPE TPA	37.91	496	572	37.4	0.87	-18
EVRAZ Regina - 409340	AE-134D	11157-J	MILL CONTROL	PIPE TWA	38.57	0	590	0	0	-18
EVRAZ Regina - 409340	AE-134D	13279-S	LOT QUALIFIER	PIPE TPA	37.749	490	572	40.2	0.86	-18
EVRAZ Regina - 409340	AE-134D	13279-S	LOT QUALIFIER	PIPE TWA	38.41	0	592	0	0	-18
EVRAZ Regina - 409341	AE-134D	11627-F	MILL CONTROL	PIPE TPA	37.92	485	578	37.3	0.84	-18
EVRAZ Regina - 409341	AE-134D	11627-F	MILL CONTROL	PIPE TWA	38.4	0	592	0	0	-18
EVRAZ Regina - 409342	AE-134D	13011-F	MILL CONTROL	PIPE TPA	38.71	476	574	34	0.83	-18
EVRAZ Regina - 409342	AE-134D	13011-F	MILL CONTROL	PIPE TWA	38.471	0	596	0	0	-18
EVRAZ Regina - 409387	AE-134D	14021-N	MILL CONTROL	PIPE TPA	37.65	475	584	33.7	0.81	-18
EVRAZ Regina - 409387	AE-134D	14021-N	MILL CONTROL	PIPE TWA	38.499	0	604	0	0	-18
EVRAZ Regina - 409387	AE-134D	14227-J	LOT QUALIFIER	PIPE TPA	37.77	545	620	34.4	0.88	-18
EVRAZ Regina - 409387	AE-134D	14227-J	LOT QUALIFIER	PIPE TWA	38.4	0	598	0	0	-18
EVRAZ Regina - 409388	AE-134D	13467-T	MILL CONTROL	PIPE TPA	37.559	495	589	35.6	0.84	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409388	AE-134D	13467-T	MILL CONTROL	PIPE TWA	38.43	0	595	0	0	-18
EVRAZ Regina - 409388	AE-134D	18671-F	LOT QUALIFIER	PIPE TPA	37.879	508	583	36.8	0.87	-18
EVRAZ Regina - 409388	AE-134D	18671-F	LOT QUALIFIER	PIPE TWA	38.58	0	601	0	0	-18
EVRAZ Regina - 409388	AE-134D	18674-S	APPLY / TEST	PIPE TPA	38.001	511	585	37.1	0.87	-18
EVRAZ Regina - 409388	AE-134D	18685-M	APPLY / TEST	PIPE TPA	38.07	502	580	36.1	0.87	-18
EVRAZ Regina - 409389	AE-134D	16883	MILL CONTROL	PIPE TWA	38.481	0	603	0	0	-18
EVRAZ Regina - 409389	AE-134D	16883-J	MILL CONTROL	PIPE TPA	37.861	471	589	35.4	0.8	-18
EVRAZ Regina - 409389	AE-134D	16899	APPLY / TEST	PIPE TPA	37.81	509	593	34.4	0.86	-18
EVRAZ Regina - 409389	AE-136A	23643	MILL CONTROL	PIPE TPA	38.07	511	584	33.9	0.87	-18
EVRAZ Regina - 409389	AE-136A	23643	MILL CONTROL	PIPE TWA	38.29	0	598	0	0	-18
EVRAZ Regina - 409390	AE-134D	15194-M	MILL CONTROL	PIPE TPA	37.501	488	576	38.2	0.85	-18
EVRAZ Regina - 409390	AE-134D	15194-M	MILL CONTROL	PIPE TWA	38.44	0	588	0	0	-18
EVRAZ Regina - 409390	AE-134D	15284-L	LOT QUALIFIER	PIPE TPA	37.64	529	605	38.8	0.87	-18
EVRAZ Regina - 409390	AE-134D	15284-L	LOT QUALIFIER	PIPE TWA	38.41	0	586	0	0	-18
EVRAZ Regina - 409391	AE-134D	13557	MILL CONTROL	PIPE TPA	37.589	501	614	37.8	0.82	-18
EVRAZ Regina - 409391	AE-134D	13557-F	MILL CONTROL	PIPE TWA	38.451	0	600	0	0	-18
EVRAZ Regina - 409392	AE-134D	15103-M	MILL CONTROL	PIPE TPA	37.559	499	584	36.9	0.85	-18
EVRAZ Regina - 409392	AE-134D	15103-M	MILL CONTROL	PIPE TWA	38.43	0	599	0	0	-18
EVRAZ Regina - 409393	AE-134D	13811-K	MILL CONTROL	PIPE TPA	37.661	491	587	33.8	0.84	-18
EVRAZ Regina - 409393	AE-134D	13811-K	MILL CONTROL	PIPE TWA	38.451	0	606	0	0	-18
EVRAZ Regina - 409393	AE-134D	13916-N	LOT QUALIFIER	PIPE TPA	37.681	499	595	36.6	0.84	-18
EVRAZ Regina - 409393	AE-134D	13916-N	LOT QUALIFIER	PIPE TWA	38.509	0	599	0	0	-18
EVRAZ Regina - 409435	AE-134D	15613-S	MILL CONTROL	PIPE TPA	37.879	489	593	35.2	0.82	-18
EVRAZ Regina - 409435	AE-134D	15613-S	MILL CONTROL	PIPE TWA	38.379	0	616	0	0	-18
EVRAZ Regina - 409435	AE-134D	15657-M	APPLY / TEST	PIPE TPA	37.889	513	606	35	0.85	-18
EVRAZ Regina - 409436	AE-134D	13375-F	MILL CONTROL	PIPE TPA	37.6	481	588	36	0.82	-18
EVRAZ Regina - 409436	AE-134D	13375-f	MILL CONTROL	PIPE TWA	38.461	0	609	0	0	-18
EVRAZ Regina - 409437	AE-134D	14124-K	MILL CONTROL	PIPE TPA	37.589	489	579	37.6	0.85	-18
EVRAZ Regina - 409437	AE-134D	14124-K	MILL CONTROL	PIPE TWA	38.44	0	591	0	0	-18
EVRAZ Regina - 409437	AE-134D	17714-H	LOT QUALIFIER	PIPE TPA	37.91	484	583	36.7	0.83	-18
EVRAZ Regina - 409437	AE-134D	17714-H	LOT QUALIFIER	PIPE TWA	38.539	0	610	0	0	-18
EVRAZ Regina - 409438	AE-134D	14376-S	MILL CONTROL	PIPE TPA	37.681	484	585	35.8	0.83	-18
EVRAZ Regina - 409438	AE-134D	14376-S	MILL CONTROL	PIPE TWA	38.43	0	600	0	0	-18
EVRAZ Regina - 409439	AE-134D	15493-K	MILL CONTROL	PIPE TPA	37.97	471	577	36.1	0.82	-18
EVRAZ Regina - 409439	AE-134D	15493-K	MILL CONTROL	PIPE TWA	38.39	0	599	0	0	-18
EVRAZ Regina - 409440	AE-134D	16087-K	MILL CONTROL	PIPE TPA	38.11	477	582	39	0.82	-18
EVRAZ Regina - 409440	AE-134D	16087-K	MILL CONTROL	PIPE TWA	38.39	0	596	0	0	-18
EVRAZ Regina - 409440	AE-134D	18135-F	LOT QUALIFIER	PIPE TPA	37.899	483	588	36.5	0.82	-18
EVRAZ Regina - 409440	AE-134D	18135-F	LOT QUALIFIER	PIPE TWA	38.331	0	602	0	0	-18
EVRAZ Regina - 409441	AE-134D	14561-K	MILL CONTROL	PIPE TPA	37.541	497	582	34	0.85	-18
EVRAZ Regina - 409441	AE-134D	14561-K	MILL CONTROL	PIPE TWA	38.451	0	595	0	0	-18
EVRAZ Regina - 409441	AE-134D	14610-V	APPLY / TEST	PIPE TPA	37.61	507	587	38.7	0.86	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409441	AE-134D	14638-H	LOT QUALIFIER	PIPE TPA	37.79	488	576	34.7	0.85	-18
EVRAZ Regina - 409441	AE-134D	14638-H	LOT QUALIFIER	PIPE TWA	38.481	0	597	0	0	-18
EVRAZ Regina - 409441	AE-134D	14670-F	APPLY / TEST	PIPE TPA	37.531	493	574	37.8	0.86	-18
EVRAZ Regina - 409442	AE-134D	14685-V	MILL CONTROL	PIPE TPA	37.661	518	592	33.1	0.88	-18
EVRAZ Regina - 409442	AE-134D	14685-V	MILL CONTROL	PIPE TWA	38.43	0	608	0	0	-18
EVRAZ Regina - 409442	AE-134D	14765-N	LOT QUALIFIER	PIPE TPA	37.65	481	586	36.6	0.82	-18
EVRAZ Regina - 409442	AE-134D	14765-N	LOT QUALIFIER	PIPE TWA	38.379	0	604	0	0	-18
EVRAZ Regina - 409486	AE-134D	15941-F	MILL CONTROL	PIPE TPA	37.81	480	581	34.7	0.83	-18
EVRAZ Regina - 409486	AE-134D	15941-f	MILL CONTROL	PIPE TWA	38.43	0	603	0	0	-18
EVRAZ Regina - 409487	AE-134D	17747-K	MILL CONTROL	PIPE TPA	38.1	463	596	31.6	0.78	-18
EVRAZ Regina - 409487	AE-134D	17747-K	MILL CONTROL	PIPE TWA	38.519	0	617	0	0	-18
EVRAZ Regina - 409488	AE-134D	16178-K	MILL CONTROL	PIPE TPA	37.95	475	583	36	0.81	-18
EVRAZ Regina - 409488	AE-134D	16178-K	MILL CONTROL	PIPE TWA	38.339	0	599	0	0	-18
EVRAZ Regina - 409489	AE-134D	16415-L	MILL CONTROL	PIPE TPA	37.95	491	581	35.3	0.84	-18
EVRAZ Regina - 409489	AE-134D	16415-L	MILL CONTROL	PIPE TWA	38.491	0	596	0	0	-18
EVRAZ Regina - 409489	AE-134D	16503-J	LOT QUALIFIER	PIPE TPA	37.92	500	582	37.1	0.86	-18
EVRAZ Regina - 409489	AE-134D	16503-J	LOT QUALIFIER	PIPE TWA	38.369	0	598	0	0	-18
EVRAZ Regina - 409489	AE-134D	16520-S	APPLY / TEST	PIPE TPA	37.94	480	577	38.3	0.83	-18
EVRAZ Regina - 409489	AE-134D	16627-T	APPLY / TEST	PIPE TPA	37.841	504	604	33.4	0.83	-18
EVRAZ Regina - 409490	AE-136A	25182	MILL CONTROL	PIPE TPA	37.889	474	588	36.8	0.81	-18
EVRAZ Regina - 409490	AE-136A	25182-L	MILL CONTROL	PIPE TWA	38.42	0	604	0	0	-18
EVRAZ Regina - 409528	AE-134D	18583-S	MILL CONTROL	PIPE TPA	37.97	509	610	35.5	0.84	-18
EVRAZ Regina - 409528	AE-134D	18583-S	MILL CONTROL	PIPE TWA	38.56	0	618	0	0	-18
EVRAZ Regina - 409529	AE-134D	18327-J	MILL CONTROL	PIPE TPA	38.07	472	586	35.4	0.81	-18
EVRAZ Regina - 409529	AE-134D	18327-J	MILL CONTROL	PIPE TWA	38.539	0	599	0	0	-18
EVRAZ Regina - 409530	AE-134D	16541	MILL CONTROL	PIPE TWA	38.369	0	601	0	0	-18
EVRAZ Regina - 409530	AE-134D	16541-K	MILL CONTROL	PIPE TPA	37.981	484	588	36.2	0.82	-18
EVRAZ Regina - 409530	AE-134D	18656-T	LOT QUALIFIER	PIPE TPA	38.08	493	585	36.2	0.84	-18
EVRAZ Regina - 409530	AE-134D	18656-T	LOT QUALIFIER	PIPE TWA	38.529	0	599	0	0	-18
EVRAZ Regina - 409531	AE-134D	17478	MILL CONTROL	PIPE TWA	38.321	0	605	0	0	-18
EVRAZ Regina - 409531	AE-134D	17478-S	MILL CONTROL	PIPE TPA	37.851	501	584	36.5	0.86	-18
EVRAZ Regina - 409532	AE-134D	18179-S	MILL CONTROL	PIPE TPA	38.001	491	584	34.7	0.84	-18
EVRAZ Regina - 409532	AE-134D	18179-S	MILL CONTROL	PIPE TWA	38.529	0	604	0	0	-18
EVRAZ Regina - 409533	AE-134D	17553	MILL CONTROL	PIPE TWA	38.461	0	614	0	0	-18
EVRAZ Regina - 409533	AE-134D	17553-L	MILL CONTROL	PIPE TPA	37.861	490	602	34.6	0.81	-18
EVRAZ Regina - 409571	AE-134D	20499-N	MILL CONTROL	PIPE TPA	38.021	509	595	35.2	0.86	-18
EVRAZ Regina - 409571	AE-134D	20499-N	MILL CONTROL	PIPE TWA	38.55	0	603	0	0	-18
EVRAZ Regina - 409571	AE-136A	25592	MILL CONTROL	PIPE TPA	37.861	496	592	33.4	0.84	-18
EVRAZ Regina - 409571	AE-136A	25592-N	MILL CONTROL	PIPE TWA	38.451	0	600	0	0	-18
EVRAZ Regina - 409572	AE-134D	19852-T	MILL CONTROL	PIPE TPA	38.011	463	581	34.2	0.8	-18
EVRAZ Regina - 409572	AE-134D	19852-T	MILL CONTROL	PIPE TWA	38.6	0	593	0	0	-18
EVRAZ Regina - 409573	AE-134D	19522-T	MILL CONTROL	PIPE TPA	37.81	497	600	36.2	0.83	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409573	AE-134D	19522-T	MILL CONTROL	PIPE TWA	38.56	0	607	0	0	-18
EVRAZ Regina - 409574	AE-134D	18475-J	MILL CONTROL	PIPE TPA	38.151	503	603	34.3	0.83	-18
EVRAZ Regina - 409574	AE-134D	18475-J	MILL CONTROL	PIPE TWA	38.471	0	618	0	0	-18
EVRAZ Regina - 409576	AE-134D	19596-F	MILL CONTROL	PIPE TPA	38.029	498	600	35	0.83	-18
EVRAZ Regina - 409576	AE-134D	19596-F	MILL CONTROL	PIPE TWA	38.59	0	612	0	0	-18
EVRAZ Regina - 409607	AE-134D	19205-V	MILL CONTROL	PIPE TPA	38.021	562	645	35.1	0.87	-18
EVRAZ Regina - 409607	AE-134D	19205-V	MILL CONTROL	PIPE TWA	38.57	0	615	0	0	-18
EVRAZ Regina - 409608	AE-134D	19117-F	MILL CONTROL	PIPE TPA	37.899	480	580	34.9	0.83	-18
EVRAZ Regina - 409608	AE-134D	19117-F	MILL CONTROL	PIPE TWA	38.55	0	586	0	0	-18
EVRAZ Regina - 409609	AE-134D	19771-S	MILL CONTROL	PIPE TPA	37.91	482	586	36.7	0.82	-18
EVRAZ Regina - 409609	AE-134D	19771-S	MILL CONTROL	PIPE TWA	38.58	0	598	0	0	-18
EVRAZ Regina - 409609	AE-136A	24414	MILL CONTROL	PIPE TPA	37.94	494	604	33.5	0.82	-18
EVRAZ Regina - 409609	AE-136A	24414-J	MILL CONTROL	PIPE TWA	38.461	0	618	0	0	-18
EVRAZ Regina - 409650	AE-134D	20631-L	MILL CONTROL	PIPE TPA	38.09	530	663	32.9	0.8	-18
EVRAZ Regina - 409650	AE-134D	20631-L	MILL CONTROL	PIPE TWA	38.58	0	643	0	0	-18
EVRAZ Regina - 409650	AE-134D	21183-L	LOT QUALIFIER	PIPE TPA	38.27	540	643	31.6	0.84	-18
EVRAZ Regina - 409650	AE-134D	21183-L	LOT QUALIFIER	PIPE TWA	38.651	0	656	0	0	-18
EVRAZ Regina - 409651	AE-134D	21005-H	MILL CONTROL	PIPE TPA	38.161	497	599	31.5	0.83	-18
EVRAZ Regina - 409651	AE-134D	21005-H	MILL CONTROL	PIPE TWA	38.6	0	618	0	0	-18
EVRAZ Regina - 409652	AE-134D	20111-M	MILL CONTROL	PIPE TPA	38.059	456	576	37.6	0.79	-18
EVRAZ Regina - 409652	AE-134D	20111-M	MILL CONTROL	PIPE TWA	38.57	0	588	0	0	-18
EVRAZ Regina - 409653	AE-134D	20225-S	MILL CONTROL	PIPE TPA	38.059	465	571	40.9	0.81	-18
EVRAZ Regina - 409653	AE-134D	20225-S	MILL CONTROL	PIPE TWA	38.621	0	587	0	0	-18
EVRAZ Regina - 409653	AE-136A	24069-V	MILL CONTROL	PIPE TPA	37.96	488	586	36.9	0.83	-18
EVRAZ Regina - 409653	AE-136A	24069-V	MILL CONTROL	PIPE TWA	38.41	0	596	0	0	-18
EVRAZ Regina - 409654	AE-136A	26957	MILL CONTROL	PIPE TWA	38.491	0	616	0	0	-18
EVRAZ Regina - 409654	AE-136A	26957-V	MILL CONTROL	PIPE TPA	38.09	513	614	34.8	0.84	-18
EVRAZ Regina - 409655	AE-134D	22041-L	MILL CONTROL	PIPE TPA	38.23	510	589	37	0.87	-18
EVRAZ Regina - 409655	AE-134D	22041-L	MILL CONTROL	PIPE TWA	38.641	0	595	0	0	-18
EVRAZ Regina - 409655	AE-134D	22116-L	LOT QUALIFIER	PIPE TPA	38.199	504	598	35	0.84	-18
EVRAZ Regina - 409655	AE-134D	22116-L	LOT QUALIFIER	PIPE TWA	38.59	0	603	0	0	-18
EVRAZ Regina - 409663	AE-134D	20930-V	MILL CONTROL	PIPE TPA	38.1	472	596	32.6	0.79	-18
EVRAZ Regina - 409663	AE-134D	20930-V	MILL CONTROL	PIPE TWA	38.57	0	611	0	0	-18
EVRAZ Regina - 409663	AE-136A	25918-V	MILL CONTROL	PIPE TPA	38.151	511	602	35.9	0.85	-18
EVRAZ Regina - 409663	AE-136A	25918-V	MILL CONTROL	PIPE TWA	38.461	0	608	0	0	-18
EVRAZ Regina - 409664	AE-134D	20871-M	MILL CONTROL	PIPE TPA	38.1	485	593	34.4	0.82	-18
EVRAZ Regina - 409664	AE-134D	20871-M	MILL CONTROL	PIPE TWA	38.56	0	609	0	0	-18
EVRAZ Regina - 409664	AE-136A	25562	MILL CONTROL	PIPE TPA	38.08	467	593	33.3	0.79	-18
EVRAZ Regina - 409664	AE-136A	25562-L	MILL CONTROL	PIPE TWA	38.41	0	605	0	0	-18
EVRAZ Regina - 409665	AE-134D	21459-K	MILL CONTROL	PIPE TPA	38.29	489	600	34.6	0.82	-18
EVRAZ Regina - 409665	AE-134D	21459-K	MILL CONTROL	PIPE TWA	38.56	0	612	0	0	-18
EVRAZ Regina - 409665	AE-136A	25948-M	MILL CONTROL	PIPE TPA	38.09	518	593	33.9	0.87	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409665	AE-136A	25948-M	MILL CONTROL	PIPE TWA	38.499	0	602	0	0	-18
EVRAZ Regina - 409666	AE-134D	22161-T	MILL CONTROL	PIPE TPA	38.25	489	594	34.1	0.82	-18
EVRAZ Regina - 409666	AE-134D	22161-T	MILL CONTROL	PIPE TWA	38.689	0	603	0	0	-18
EVRAZ Regina - 409667	AE-134D	21353-T	MILL CONTROL	PIPE TPA	38.039	492	592	33.6	0.83	-18
EVRAZ Regina - 409667	AE-134D	21353-T	MILL CONTROL	PIPE TWA	38.55	0	598	0	0	-18
EVRAZ Regina - 409667	AE-136A	26720	MILL CONTROL	PIPE TPA	38.07	495	591	35.6	0.84	-18
EVRAZ Regina - 409667	AE-136A	26720	MILL CONTROL	PIPE TWA	38.43	0	598	0	0	-18
EVRAZ Regina - 409685	AE-136A	22635-L	MILL CONTROL	PIPE TPA	37.869	486	596	36	0.82	-18
EVRAZ Regina - 409685	AE-136A	22635-L	MILL CONTROL	PIPE TWA	38.699	0	598	0	0	-18
EVRAZ Regina - 409686	AE-136A	23965-T	MILL CONTROL	PIPE TPA	38.09	476	592	34.6	0.81	-18
EVRAZ Regina - 409686	AE-136A	23965-T	MILL CONTROL	PIPE TWA	38.42	0	600	0	0	-18
EVRAZ Regina - 409686	AE-136A	25811	LOT QUALIFIER	PIPE TPA	37.93	497	593	35.1	0.84	-18
EVRAZ Regina - 409686	AE-136A	25811-S	LOT QUALIFIER	PIPE TWA	38.471	0	602	0	0	-18
EVRAZ Regina - 409687	AE-136A	26482	MILL CONTROL	PIPE TPA	38.321	529	626	35.5	0.85	-18
EVRAZ Regina - 409687	AE-136A	26482	MILL CONTROL	PIPE TWA	38.359	0	612	0	0	-18
EVRAZ Regina - 409688	AE-136A	26839	MILL CONTROL	PIPE TWA	38.339	0	605	0	0	-18
EVRAZ Regina - 409688	AE-136A	26839-M	MILL CONTROL	PIPE TPA	38.021	497	595	34.7	0.84	-18
EVRAZ Regina - 409688	AE-136A	26942	LOT QUALIFIER	PIPE TWA	38.42	0	612	0	0	-18
EVRAZ Regina - 409688	AE-136A	26942-S	LOT QUALIFIER	PIPE TPA	37.93	503	596	34.7	0.84	-18
EVRAZ Regina - 409714	AE-136A	26631	MILL CONTROL	PIPE TPA	38.171	464	592	35.5	0.78	-18
EVRAZ Regina - 409714	AE-136A	26631-M	MILL CONTROL	PIPE TWA	38.461	0	604	0	0	-18
EVRAZ Regina - 409715	AE-136A	23687	MILL CONTROL	PIPE TPA	38.26	490	588	34.9	0.83	-18
EVRAZ Regina - 409715	AE-136A	23687-M	LOT QUALIFIER	PIPE TWA	38.461	0	608	0	0	-18
EVRAZ Regina - 409716	AE-136A	26392	MILL CONTROL	PIPE TPA	38.001	490	588	33.5	0.83	-18
EVRAZ Regina - 409716	AE-136A	26392-N	MILL CONTROL	PIPE TWA	38.481	0	611	0	0	-18
EVRAZ Regina - 409717	AE-136A	22917	MILL CONTROL	PIPE TPA	37.96	529	617	31.5	0.86	-18
EVRAZ Regina - 409717	AE-136A	22917	MILL CONTROL	PIPE TWA	38.631	0	602	0	0	-18
EVRAZ Regina - 409717	AE-136A	23805	LOT QUALIFIER	PIPE TPA	38.021	511	598	33.9	0.85	-18
EVRAZ Regina - 409717	AE-136A	23805-H	LOT QUALIFIER	PIPE TWA	38.331	0	582	0	0	-18
EVRAZ Regina - 409718	AE-136A	24940-K	MILL CONTROL	PIPE TPA	37.851	492	589	37.7	0.84	-18
EVRAZ Regina - 409718	AE-136A	24940-K	MILL CONTROL	PIPE TWA	38.43	0	604	0	0	-18
EVRAZ Regina - 409746	AE-136A	25963-M	MILL CONTROL	PIPE TPA	38.07	480	566	37.4	0.85	-18
EVRAZ Regina - 409746	AE-136A	25963-M	MILL CONTROL	PIPE TWA	38.41	0	585	0	0	-18
EVRAZ Regina - 409747	AE-136A	27047	MILL CONTROL	PIPE TWA	38.339	0	614	0	0	-18
EVRAZ Regina - 409747	AE-136A	27047-V	MILL CONTROL	PIPE TPA	38.029	509	603	35.2	0.84	-18
EVRAZ Regina - 409748	AE-136A	26111	MILL CONTROL	PIPE TPA	38.001	508	586	36.1	0.87	-18
EVRAZ Regina - 409748	AE-136A	26111-N	MILL CONTROL	PIPE TWA	38.379	0	601	0	0	-18
EVRAZ Regina - 409748	AE-136A	26256	LOT QUALIFIER	PIPE TPA	38.039	503	589	37.6	0.85	-18
EVRAZ Regina - 409748	AE-136A	26256	LOT QUALIFIER	PIPE TWA	38.369	0	609	0	0	-18
EVRAZ Regina - 409749	AE-136A	27166	MILL CONTROL	PIPE TPA	38.209	494	571	36.8	0.87	-18
EVRAZ Regina - 409749	AE-136A	27166	MILL CONTROL	PIPE TWA	38.461	0	587	0	0	-18
EVRAZ Regina - 409750	AE-136A	24255-M	MILL CONTROL	PIPE TPA	37.899	477	584	36.1	0.82	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 409750	AE-136A	24255-M	MILL CONTROL	PIPE TWA	38.42	0	605	0	0	-18
EVRAZ Regina - 409832	AE-136A	23551	MILL CONTROL	PIPE TPA	37.96	474	590	36	0.8	-18
EVRAZ Regina - 409832	AE-136A	23551	MILL CONTROL	PIPE TWA	38.43	0	613	0	0	-18
EVRAZ Regina - 409833	AE-136A	24760-J	MILL CONTROL	PIPE TPA	37.879	500	604	35.2	0.83	-18
EVRAZ Regina - 409833	AE-136A	24760-J	MILL CONTROL	PIPE TWA	38.44	0	617	0	0	-18
EVRAZ Regina - 409834	AE-136A	24818-M	MILL CONTROL	PIPE TPA	38.021	505	597	35	0.85	-18
EVRAZ Regina - 409834	AE-136A	24818-M	MILL CONTROL	PIPE TWA	38.4	0	609	0	0	-18
EVRAZ Regina - 409835	AE-136A	24688-H	MILL CONTROL	PIPE TPA	37.991	456	584	37.7	0.78	-18
EVRAZ Regina - 409835	AE-136A	24688-H	MILL CONTROL	PIPE TWA	38.321	0	604	0	0	-18
EVRAZ Regina - 409836	AE-136A	27328	MILL CONTROL	PIPE TPA	38.219	486	587	37.9	0.83	-18
EVRAZ Regina - 409836	AE-136A	27328	MILL CONTROL	PIPE TWA	38.58	0	611	0	0	-18
EVRAZ Regina - 409837	AE-136A	27417	MILL CONTROL	PIPE TPA	38.151	503	601	34.7	0.84	-18
EVRAZ Regina - 409837	AE-136A	27417	MILL CONTROL	PIPE TWA	38.39	0	617	0	0	-18
EVRAZ Regina - 409838	AE-136A	22814	MILL CONTROL	PIPE TWA	38.621	0	599	0	0	-18
EVRAZ Regina - 409838	AE-136A	22814-J	MILL CONTROL	PIPE TPA	37.981	492	576	34.4	0.85	-18
EVRAZ Regina - 409839	AE-136A	24877-J	MILL CONTROL	PIPE TPA	37.869	487	593	34.6	0.82	-18
EVRAZ Regina - 409839	AE-136A	24877-J	MILL CONTROL	PIPE TWA	38.42	0	603	0	0	-18
EVRAZ Regina - 409894	AE-136A	25442-K	MILL CONTROL	PIPE TPA	38.1	514	613	40.2	0.84	-18
EVRAZ Regina - 409894	AE-136A	25442-K	MILL CONTROL	PIPE TWA	38.491	0	612	0	0	-18
EVRAZ Regina - 409894	AE-136A	25529	APPLY / TEST	PIPE TPA	37.981	489	598	34.6	0.82	-18
EVRAZ Regina - 409894	AE-136A	25539	APPLY / TEST	PIPE TPA	38.001	500	585	33.2	0.85	-18
EVRAZ Regina - 409894	AE-136A	25554	LOT QUALIFIER	PIPE TPA	37.93	483	585	33.6	0.83	-18
EVRAZ Regina - 409894	AE-136A	25554-L	LOT QUALIFIER	PIPE TWA	38.42	0	600	0	0	-18
EVRAZ Regina - 409895	AE-136A	25358	MILL CONTROL	PIPE TPA	37.93	501	593	36.1	0.84	-18
EVRAZ Regina - 409895	AE-136A	25358-T	MILL CONTROL	PIPE TWA	38.481	0	607	0	0	-18
EVRAZ Regina - 528243	AE-134D	6335-V	MILL CONTROL	PIPE TPA	37.869	522	600	35.1	0.87	-18
EVRAZ Regina - 528243	AE-134D	6335-V	MILL CONTROL	PIPE TWA	38.41	0	616	0	0	-18
EVRAZ Regina - 528244	AE-134D	5528-K	MILL CONTROL	PIPE TPA	38.001	522	597	35.7	0.87	-18
EVRAZ Regina - 528244	AE-134D	5528-K	MILL CONTROL	PIPE TWA	38.27	0	614	0	0	-18
EVRAZ Regina - 528245	AE-134D	7903-V	MILL CONTROL	PIPE TPA	38.09	484	582	34.3	0.83	-18
EVRAZ Regina - 528245	AE-134D	7903-V	MILL CONTROL	PIPE TWA	38.451	0	600	0	0	-18
EVRAZ Regina - 528246	AE-134D	5438-H	MILL CONTROL	PIPE TPA	38.001	477	602	34.1	0.79	-18
EVRAZ Regina - 528246	AE-134D	5438-H	MILL CONTROL	PIPE TWA	38.25	0	616	0	0	-18
EVRAZ Regina - 528247	AE-134D	6122-F	MILL CONTROL	PIPE TPA	38.001	481	590	34.9	0.81	-18
EVRAZ Regina - 528247	AE-134D	6122-F	MILL CONTROL	PIPE TWA	38.43	0	605	0	0	-18
EVRAZ Regina - 528276	AE-134D	6685-T	MILL CONTROL	PIPE TPA	37.79	496	617	32.3	0.8	-18
EVRAZ Regina - 528276	AE-134D	6685-T	MILL CONTROL	PIPE TWA	38.44	0	639	0	0	-18
EVRAZ Regina - 528277	AE-134D	5720-J	MILL CONTROL	PIPE TPA	37.92	480	597	35.5	0.8	-18
EVRAZ Regina - 528277	AE-134D	5720-J	MILL CONTROL	PIPE TWA	38.27	0	609	0	0	-18
EVRAZ Regina - 528278	AE-134D	6304-F	MILL CONTROL	PIPE TPA	37.889	470	583	36.6	0.81	-18
EVRAZ Regina - 528278	AE-134D	6304-F	MILL CONTROL	PIPE TWA	38.359	0	597	0	0	-18
EVRAZ Regina - 528279	AE-134D	7552-S	MILL CONTROL	PIPE TPA	38.049	488	586	34.8	0.83	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528279	AE-134D	7552-S	MILL CONTROL	PIPE TWA	38.4	0	599	0	0	-18
EVRAZ Regina - 528280	AE-134D	5267-S	MILL CONTROL	PIPE TPA	37.94	486	602	34.5	0.81	-18
EVRAZ Regina - 528280	AE-134D	5267-S	MILL CONTROL	PIPE TWA	38.369	0	614	0	0	-18
EVRAZ Regina - 528317	AE-134D	7148-J	MILL CONTROL	PIPE TPA	38.001	501	608	32.6	0.82	-18
EVRAZ Regina - 528317	AE-134D	7148-J	MILL CONTROL	PIPE TWA	38.461	0	614	0	0	-18
EVRAZ Regina - 528318	AE-134D	6595-J	MILL CONTROL	PIPE TPA	37.94	499	578	35.9	0.86	-18
EVRAZ Regina - 528318	AE-134D	6595-J	MILL CONTROL	PIPE TWA	38.44	0	593	0	0	-18
EVRAZ Regina - 528319	AE-134D	6869-S	MILL CONTROL	PIPE TPA	37.8	503	582	36.8	0.86	-18
EVRAZ Regina - 528319	AE-134D	6869-S	MILL CONTROL	PIPE TWA	38.39	0	592	0	0	-18
EVRAZ Regina - 528320	AE-134D	7477-T	MILL CONTROL	PIPE TPA	38.07	507	602	37	0.84	-18
EVRAZ Regina - 528320	AE-134D	7477-T	MILL CONTROL	PIPE TWA	38.369	0	611	0	0	-18
EVRAZ Regina - 528321	AE-134D	6971-K	MILL CONTROL	PIPE TPA	38.1	470	596	36.3	0.79	-18
EVRAZ Regina - 528321	AE-134D	6971-K	MILL CONTROL	PIPE TWA	38.471	0	607	0	0	-18
EVRAZ Regina - 528321	AE-134D	7042-L	APPLY / TEST	PIPE TPA	37.991	525	607	33.7	0.87	-18
EVRAZ Regina - 528346	AE-134D	8897-T	MILL CONTROL	PIPE TPA	38.151	488	618	31.4	0.79	-18
EVRAZ Regina - 528346	AE-134D	8897-T	MILL CONTROL	PIPE TWA	38.481	0	632	0	0	-18
EVRAZ Regina - 528346	AE-134D	8931-S	APPLY / TEST	PIPE TPA	38.209	499	612	30.3	0.82	-18
EVRAZ Regina - 528347	AE-134D	7840-T	MILL CONTROL	PIPE TPA	38.11	485	589	34.7	0.82	-18
EVRAZ Regina - 528347	AE-134D	7840-T	MILL CONTROL	PIPE TWA	38.43	0	603	0	0	-18
EVRAZ Regina - 528347	AE-134D	9661-H	APPLY / TEST	PIPE TPA	37.869	480	576	33.9	0.83	-18
EVRAZ Regina - 528348	AE-134D	8108-M	MILL CONTROL	PIPE TPA	38.039	492	592	34	0.83	-18
EVRAZ Regina - 528348	AE-134D	8108-M	MILL CONTROL	PIPE TWA	38.481	0	604	0	0	-18
EVRAZ Regina - 528349	AE-134D	8344-J	MILL CONTROL	PIPE TPA	38.141	474	583	34	0.81	-18
EVRAZ Regina - 528349	AE-134D	8344-J	MILL CONTROL	PIPE TWA	38.41	0	602	0	0	-18
EVRAZ Regina - 528349	AE-134D	8360-S	APPLY / TEST	PIPE TPA	38.219	498	587	34	0.85	-18
EVRAZ Regina - 528349	AE-134D	8390-H	APPLY / TEST	PIPE TPA	38.24	480	582	34	0.83	-18
EVRAZ Regina - 528349	AE-134D	8403-N	APPLY / TEST	PIPE TPA	38.25	484	579	34	0.84	-18
EVRAZ Regina - 528350	AE-134D	7052-L	MILL CONTROL	PIPE TPA	37.981	482	589	36.6	0.82	-18
EVRAZ Regina - 528350	AE-134D	7059-L	MILL CONTROL	PIPE TWA	38.42	0	603	0	0	-18
EVRAZ Regina - 528424	AE-134D	10023-K	MILL CONTROL	PIPE TPA	37.81	482	606	35	0.8	-18
EVRAZ Regina - 528424	AE-134D	10023-K	MILL CONTROL	PIPE TWA	38.539	0	618	0	0	-18
EVRAZ Regina - 528424	AE-134D	10128-N	LOT QUALIFIER	PIPE TPA	37.831	488	611	32.6	0.8	-18
EVRAZ Regina - 528424	AE-134D	10128-N	LOT QUALIFIER	PIPE TWA	38.529	0	623	0	0	-18
EVRAZ Regina - 528425	AE-134D	8314-M	MILL CONTROL	PIPE TPA	38.12	490	586	34	0.84	-18
EVRAZ Regina - 528425	AE-134D	8314-M	MILL CONTROL	PIPE TWA	38.43	0	599	0	0	-18
EVRAZ Regina - 528425	AE-134D	9750-V	LOT QUALIFIER	PIPE TPA	37.77	501	584	36.7	0.86	-18
EVRAZ Regina - 528425	AE-134D	9750-V	LOT QUALIFIER	PIPE TWA	38.39	0	591	0	0	-18
EVRAZ Regina - 528426	AE-134D	8793-M	MILL CONTROL	PIPE TPA	38.311	496	599	35	0.83	-18
EVRAZ Regina - 528426	AE-134D	8793-M	MILL CONTROL	PIPE TWA	38.491	0	614	0	0	-18
EVRAZ Regina - 528426	AE-134D	8807-T	APPLY / TEST	PIPE TPA	38.26	510	607	35.4	0.84	-18
EVRAZ Regina - 528427	AE-134D	8433-F	MILL CONTROL	PIPE TPA	38.141	496	581	35.7	0.85	-18
EVRAZ Regina - 528427	AE-134D	8433-F	MILL CONTROL	PIPE TWA	38.491	0	593	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528457	AE-134D	10663-S	MILL CONTROL	PIPE TPA	37.97	509	617	33.5	0.83	-18
EVRAZ Regina - 528457	AE-134D	10663-S	MILL CONTROL	PIPE TWA	38.481	0	614	0	0	-18
EVRAZ Regina - 528458	AE-134D	10232-T	MILL CONTROL	PIPE TPA	37.841	477	599	33.5	0.8	-18
EVRAZ Regina - 528458	AE-134D	10232-T	MILL CONTROL	PIPE TWA	38.519	0	614	0	0	-18
EVRAZ Regina - 528458	AE-134D	10337-V	LOT QUALIFIER	PIPE TPA	37.899	518	603	33.3	0.86	-18
EVRAZ Regina - 528458	AE-134D	10337-V	LOT QUALIFIER	PIPE TWA	38.509	0	621	0	0	-18
EVRAZ Regina - 528459	AE-134D	10352-V	MILL CONTROL	PIPE TPA	37.869	487	585	35.9	0.83	-18
EVRAZ Regina - 528459	AE-134D	10352-V	MILL CONTROL	PIPE TWA	38.55	0	602	0	0	-18
EVRAZ Regina - 528459	AE-134D	10457-S	LOT QUALIFIER	PIPE TPA	37.981	486	592	35.3	0.82	-18
EVRAZ Regina - 528459	AE-134D	10457-S	LOT QUALIFIER	PIPE TWA	38.471	0	612	0	0	-18
EVRAZ Regina - 528477	AE-134D	9323-H	MILL CONTROL	PIPE TPA	38.25	505	606	33.8	0.83	-18
EVRAZ Regina - 528477	AE-134D	9323-H	MILL CONTROL	PIPE TWA	38.519	0	628	0	0	-18
EVRAZ Regina - 528478	AE-134D	11023-F	MILL CONTROL	PIPE TPA	37.91	527	624	33.7	0.84	-18
EVRAZ Regina - 528478	AE-134D	11023-F	MILL CONTROL	PIPE TWA	38.519	0	605	0	0	-18
EVRAZ Regina - 528479	AE-134D	9453-V	MILL CONTROL	PIPE TPA	38.24	492	594	36.1	0.83	-18
EVRAZ Regina - 528479	AE-134D	9453-V	MILL CONTROL	PIPE TWA	38.471	0	622	0	0	-18
EVRAZ Regina - 528480	AE-134D	9028-T	MILL CONTROL	PIPE TPA	38.27	502	597	30.6	0.84	-18
EVRAZ Regina - 528480	AE-134D	9028-T	MILL CONTROL	PIPE TWA	38.461	0	608	0	0	-18
EVRAZ Regina - 528481	AE-134D	12363-N	LOT QUALIFIER	PIPE TPA	37.93	490	589	36.3	0.83	-18
EVRAZ Regina - 528481	AE-134D	12363-N	LOT QUALIFIER	PIPE TWA	38.451	0	607	0	0	-18
EVRAZ Regina - 528481	AE-134D	9218-T	MILL CONTROL	PIPE TPA	38.07	507	595	34.3	0.85	-18
EVRAZ Regina - 528481	AE-134D	9218-T	MILL CONTROL	PIPE TWA	38.43	0	603	0	0	-18
EVRAZ Regina - 528482	AE-134D	9293-S	MILL CONTROL	PIPE TPA	38.25	509	579	33.6	0.88	-18
EVRAZ Regina - 528482	AE-134D	9293-S	MILL CONTROL	PIPE TWA	38.471	0	601	0	0	-18
EVRAZ Regina - 528483	AE-134D	12636-S	LOT QUALIFIER	PIPE TPA	37.93	498	584	36.3	0.85	-18
EVRAZ Regina - 528483	AE-134D	12636-S	LOT QUALIFIER	PIPE TWA	38.481	0	597	0	0	-18
EVRAZ Regina - 528483	AE-134D	9263-V	MILL CONTROL	PIPE TPA	38.189	506	586	37.9	0.86	-18
EVRAZ Regina - 528483	AE-134D	9263-V	MILL CONTROL	PIPE TWA	38.43	0	598	0	0	-18
EVRAZ Regina - 528533	AE-134D	11096-K	MILL CONTROL	PIPE TPA	37.97	498	598	34.5	0.83	-18
EVRAZ Regina - 528533	AE-134D	11096-K	MILL CONTROL	PIPE TWA	38.55	0	608	0	0	-18
EVRAZ Regina - 528534	AE-134D	11351-K	MILL CONTROL	PIPE TPA	37.869	499	596	35.4	0.84	-18
EVRAZ Regina - 528534	AE-134D	11351-K	MILL CONTROL	PIPE TWA	38.499	0	605	0	0	-18
EVRAZ Regina - 528535	AE-134D	11995-M	MILL CONTROL	PIPE TPA	37.95	517	605	33.3	0.86	-18
EVRAZ Regina - 528535	AE-134D	11995-M	MILL CONTROL	PIPE TWA	38.44	0	620	0	0	-18
EVRAZ Regina - 528535	AE-134D	15601-H	LOT QUALIFIER	PIPE TPA	38.049	481	598	37.2	0.8	-18
EVRAZ Regina - 528535	AE-134D	15601-H	LOT QUALIFIER	PIPE TWA	38.451	0	613	0	0	-18
EVRAZ Regina - 528539	AE-134D	11770-L	MILL CONTROL	PIPE TPA	37.95	521	590	34.9	0.88	-18
EVRAZ Regina - 528539	AE-134D	11770-L	MILL CONTROL	PIPE TWA	38.471	0	603	0	0	-18
EVRAZ Regina - 528539	AE-134D	11875-T	LOT QUALIFIER	PIPE TPA	37.93	539	626	37	0.86	-18
EVRAZ Regina - 528539	AE-134D	11875-T	LOT QUALIFIER	PIPE TWA	38.491	0	607	0	0	-18
EVRAZ Regina - 528540	AE-134D	12788-V	MILL CONTROL	PIPE TPA	37.841	503	593	35.7	0.85	-18
EVRAZ Regina - 528540	AE-134D	12788-V	MILL CONTROL	PIPE TWA	38.461	0	605	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528540	AE-134D	15359-L	LOT QUALIFIER	PIPE TPA	37.96	494	585	35.4	0.84	-18
EVRAZ Regina - 528540	AE-134D	156359-L	LOT QUALIFIER	PIPE TWA	38.451	0	600	0	0	-18
EVRAZ Regina - 528541	AE-134D	12378-T	MILL CONTROL	PIPE TPA	37.94	480	586	36.9	0.82	-18
EVRAZ Regina - 528541	AE-134D	12378-T	MILL CONTROL	PIPE TWA	38.42	0	603	0	0	-18
EVRAZ Regina - 528541	AE-134D	12393-F	APPLY / TEST	PIPE TPA	37.889	466	592	35.6	0.79	-18
EVRAZ Regina - 528541	AE-134D	12408-V	APPLY / TEST	PIPE TPA	38.021	511	597	37.4	0.86	-18
EVRAZ Regina - 528542	AE-134D	12908-J	MILL CONTROL	PIPE TPA	37.91	467	594	32.6	0.79	-18
EVRAZ Regina - 528542	AE-134D	12908-J	MILL CONTROL	PIPE TWA	38.43	0	606	0	0	-18
EVRAZ Regina - 528543	AE-134D	10202-L	MILL CONTROL	PIPE TPA	37.79	456	589	34.8	0.77	-18
EVRAZ Regina - 528543	AE-134D	10202-L	MILL CONTROL	PIPE TWA	38.56	0	599	0	0	-18
EVRAZ Regina - 528544	AE-134D	12469-T	MILL CONTROL	PIPE TPA	37.841	488	606	32.2	0.8	-18
EVRAZ Regina - 528544	AE-134D	12469-T	MILL CONTROL	PIPE TWA	38.44	0	612	0	0	-18
EVRAZ Regina - 528544	AE-134D	12576-T	LOT QUALIFIER	PIPE TPA	37.97	492	589	36.4	0.83	-18
EVRAZ Regina - 528544	AE-134D	12576-T	LOT QUALIFIER	PIPE TWA	38.529	0	599	0	0	-18
EVRAZ Regina - 528545	AE-134D	11687-S	MILL CONTROL	PIPE TPA	37.889	520	606	35.1	0.86	-18
EVRAZ Regina - 528545	AE-134D	11687-S	MILL CONTROL	PIPE TWA	38.461	0	618	0	0	-18
EVRAZ Regina - 528592	AE-134D	16597	MILL CONTROL	PIPE TWA	38.379	0	613	0	0	-18
EVRAZ Regina - 528592	AE-134D	16597-L	MILL CONTROL	PIPE TPA	37.95	504	596	32.5	0.85	-18
EVRAZ Regina - 528593	AE-134D	12711-L	MILL CONTROL	PIPE TPA	37.851	476	581	36.9	0.82	-18
EVRAZ Regina - 528593	AE-134D	12711-L	MILL CONTROL	PIPE TWA	38.4	0	599	0	0	-18
EVRAZ Regina - 528594	AE-134D	17642-J	MILL CONTROL	PIPE TPA	37.94	483	586	37.4	0.82	-18
EVRAZ Regina - 528594	AE-134D	17642-J	MILL CONTROL	PIPE TWA	38.519	0	630	0	0	-18
EVRAZ Regina - 528595	AE-134D	13722-F	MILL CONTROL	PIPE TPA	37.589	496	600	36.5	0.83	-18
EVRAZ Regina - 528595	AE-134D	13722-F	MILL CONTROL	PIPE TWA	38.41	0	612	0	0	-18
EVRAZ Regina - 528595	AE-134D	15480-S	LOT QUALIFIER	PIPE TPA	37.879	449	585	36.6	0.77	-18
EVRAZ Regina - 528595	AE-134D	15480-S	LOT QUALIFIER	PIPE TWA	38.44	0	594	0	0	-18
EVRAZ Regina - 528596	AE-134D	16957	MILL CONTROL	PIPE TPA	37.821	507	606	34.1	0.84	-18
EVRAZ Regina - 528596	AE-134D	16957	MILL CONTROL	PIPE TWA	38.44	0	617	0	0	-18
EVRAZ Regina - 528597	AE-134D	14466-T	MILL CONTROL	PIPE TPA	37.77	558	649	29.6	0.86	-18
EVRAZ Regina - 528597	AE-134D	14466-T	MILL CONTROL	PIPE TWA	38.359	0	631	0	0	-18
EVRAZ Regina - 528632	AE-134D	14805-J	MILL CONTROL	PIPE TPA	37.511	524	609	35.6	0.86	-18
EVRAZ Regina - 528632	AE-134D	14805-J	MILL CONTROL	PIPE TWA	38.43	0	617	0	0	-18
EVRAZ Regina - 528632	AE-134D	14880-N	LOT QUALIFIER	PIPE TPA	37.661	519	611	35.4	0.85	-18
EVRAZ Regina - 528632	AE-134D	14880-N	LOT QUALIFIER	PIPE TWA	38.42	0	621	0	0	-18
EVRAZ Regina - 528633	AE-134D	14924-M	MILL CONTROL	PIPE TPA	37.541	520	601	35.4	0.87	-18
EVRAZ Regina - 528633	AE-134D	14924-M	MILL CONTROL	PIPE TWA	38.42	0	617	0	0	-18
EVRAZ Regina - 528634	AE-134D	13632-T	MILL CONTROL	PIPE TPA	37.511	509	600	36.5	0.85	-18
EVRAZ Regina - 528634	AE-134D	13632-T	MILL CONTROL	PIPE TWA	38.461	0	610	0	0	-18
EVRAZ Regina - 528635	AE-134D	13931-S	MILL CONTROL	PIPE TPA	37.691	508	600	36.5	0.85	-18
EVRAZ Regina - 528635	AE-134D	13931-S	MILL CONTROL	PIPE TWA	38.44	0	609	0	0	-18
EVRAZ Regina - 528635	AE-134D	21908-T	LOT QUALIFIER	PIPE TPA	38.049	483	580	36.1	0.83	-18
EVRAZ Regina - 528635	AE-134D	21908-T	LOT QUALIFIER	PIPE TWA	38.641	0	591	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528636	AE-134D	15673-M	MILL CONTROL	PIPE TPA	37.841	490	587	37.2	0.83	-18
EVRAZ Regina - 528636	AE-134D	15673-M	MILL CONTROL	PIPE TWA	38.44	0	605	0	0	-18
EVRAZ Regina - 528637	AE-134D	16659	MILL CONTROL	PIPE TWA	38.481	0	597	0	0	-18
EVRAZ Regina - 528637	AE-134D	16659-F	MILL CONTROL	PIPE TPA	37.79	475	586	36	0.81	-18
EVRAZ Regina - 528638	AE-134D	15013-V	MILL CONTROL	PIPE TPA	37.49	498	581	36.9	0.86	-18
EVRAZ Regina - 528638	AE-134D	15013-V	MILL CONTROL	PIPE TWA	38.379	0	590	0	0	-18
EVRAZ Regina - 528639	AE-134D	17046	MILL CONTROL	PIPE TWA	38.44	0	616	0	0	-18
EVRAZ Regina - 528639	AE-134D	17046-F	MILL CONTROL	PIPE TPA	37.97	512	601	34.7	0.85	-18
EVRAZ Regina - 528679	AE-134D	17955-T	MILL CONTROL	PIPE TPA	37.95	498	603	36.8	0.83	-18
EVRAZ Regina - 528679	AE-134D	17955-T	MILL CONTROL	PIPE TWA	38.58	0	611	0	0	-18
EVRAZ Regina - 528680	AE-134D	16266-L	MILL CONTROL	PIPE TPA	37.981	449	597	35.2	0.75	-18
EVRAZ Regina - 528680	AE-134D	16266-L	MILL CONTROL	PIPE TWA	38.42	0	604	0	0	-18
EVRAZ Regina - 528680	AE-134D	16341-M	LOT QUALIFIER	PIPE TPA	37.899	490	599	34.9	0.82	-18
EVRAZ Regina - 528680	AE-134D	16341-M	LOT QUALIFIER	PIPE TWA	38.369	0	615	0	0	-18
EVRAZ Regina - 528681	AE-134D	17166	MILL CONTROL	PIPE TWA	38.461	0	604	0	0	-18
EVRAZ Regina - 528681	AE-134D	17166-M	MILL CONTROL	PIPE TPA	37.879	485	594	33.5	0.82	-18
EVRAZ Regina - 528681	AE-134D	19698-S	LOT QUALIFIER	PIPE TPA	38.171	466	585	34	0.8	-18
EVRAZ Regina - 528681	AE-134D	19698-S	LOT QUALIFIER	PIPE TWA	38.611	0	595	0	0	-18
EVRAZ Regina - 528682	AE-134D	17405	MILL CONTROL	PIPE TWA	38.451	0	602	0	0	-18
EVRAZ Regina - 528682	AE-134D	17405-L	MILL CONTROL	PIPE TPA	37.96	491	585	36	0.84	-18
EVRAZ Regina - 528682	AE-136A	23613	MILL CONTROL	PIPE TPA	37.869	483	596	33.8	0.81	-18
EVRAZ Regina - 528682	AE-136A	23613	MILL CONTROL	PIPE TWA	38.379	0	602	0	0	-18
EVRAZ Regina - 528683	AE-134D	15762-N	MILL CONTROL	PIPE TPA	37.93	484	586	34.9	0.83	-18
EVRAZ Regina - 528683	AE-134D	15762-N	MILL CONTROL	PIPE TWA	38.43	0	599	0	0	-18
EVRAZ Regina - 528683	AE-134D	15793-T	APPLY / TEST	PIPE TPA	37.861	478	585	33.4	0.82	-18
EVRAZ Regina - 528725	AE-134D	17345	MILL CONTROL	PIPE TWA	38.44	0	602	0	0	-18
EVRAZ Regina - 528725	AE-134D	17345-J	MILL CONTROL	PIPE TPA	37.96	475	586	32.2	0.81	-18
EVRAZ Regina - 528726	AE-134D	15852-S	MILL CONTROL	PIPE TPA	37.729	483	589	33.4	0.82	-18
EVRAZ Regina - 528726	AE-134D	15852-S	MILL CONTROL	PIPE TWA	38.42	0	598	0	0	-18
EVRAZ Regina - 528726	AE-134D	17910-V	LOT QUALIFIER	PIPE TPA	37.91	484	589	35.9	0.82	-18
EVRAZ Regina - 528726	AE-134D	17910-V	LOT QUALIFIER	PIPE TWA	38.539	0	601	0	0	-18
EVRAZ Regina - 528727	AE-134D	17985-V	MILL CONTROL	PIPE TPA	37.991	488	576	36.8	0.85	-18
EVRAZ Regina - 528727	AE-134D	17985-V	MILL CONTROL	PIPE TWA	38.55	0	593	0	0	-18
EVRAZ Regina - 528727	AE-134D	18430-K	LOT QUALIFIER	PIPE TPA	38.029	468	580	37.3	0.81	-18
EVRAZ Regina - 528727	AE-134D	18430-K	LOT QUALIFIER	PIPE TWA	38.471	0	592	0	0	-18
EVRAZ Regina - 528728	AE-134D	16749	MILL CONTROL	PIPE TWA	38.41	0	614	0	0	-18
EVRAZ Regina - 528728	AE-134D	16749-K	MILL CONTROL	PIPE TPA	38.011	483	593	33.2	0.81	-18
EVRAZ Regina - 528728	AE-134D	16823	LOT QUALIFIER	PIPE TWA	38.43	0	610	0	0	-18
EVRAZ Regina - 528728	AE-134D	16823-H	LOT QUALIFIER	PIPE TPA	37.879	492	596	35.4	0.83	-18
EVRAZ Regina - 528729	AE-134D	17116	MILL CONTROL	PIPE TWA	38.509	0	603	0	0	-18
EVRAZ Regina - 528729	AE-134D	17116-L	MILL CONTROL	PIPE TPA	37.889	487	588	36.4	0.83	-18
EVRAZ Regina - 528768	AE-134D	20172-F	MILL CONTROL	PIPE TPA	38.021	489	583	38.1	0.84	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528768	AE-134D	20172-F	MILL CONTROL	PIPE TWA	38.461	0	592	0	0	-18
EVRAZ Regina - 528768	AE-134D	20841-H	LOT QUALIFIER	PIPE TPA	38.1	459	592	36.3	0.78	-18
EVRAZ Regina - 528768	AE-134D	20841-H	LOT QUALIFIER	PIPE TWA	38.59	0	601	0	0	-18
EVRAZ Regina - 528769	AE-134D	21653-N	MILL CONTROL	PIPE TPA	38.189	479	589	38.8	0.81	-18
EVRAZ Regina - 528769	AE-134D	21653-N	MILL CONTROL	PIPE TWA	38.58	0	595	0	0	-18
EVRAZ Regina - 528772	AE-134D	18938-T	MILL CONTROL	PIPE TPA	38.13	493	591	36.8	0.83	-18
EVRAZ Regina - 528772	AE-134D	18938-T	MILL CONTROL	PIPE TWA	38.519	0	612	0	0	-18
EVRAZ Regina - 528772	AE-134D	19027-T	LOT QUALIFIER	PIPE TPA	38.049	494	600	36.1	0.82	-18
EVRAZ Regina - 528772	AE-134D	19027-T	LOT QUALIFIER	PIPE TWA	38.509	0	611	0	0	-18
EVRAZ Regina - 528773	AE-134D	18790-N	MILL CONTROL	PIPE TPA	37.96	508	592	36.8	0.86	-18
EVRAZ Regina - 528773	AE-134D	18790-N	MILL CONTROL	PIPE TWA	38.57	0	612	0	0	-18
EVRAZ Regina - 528773	AE-134D	21444-F	LOT QUALIFIER	PIPE TPA	38.24	496	614	33.4	0.81	-18
EVRAZ Regina - 528773	AE-134D	21444-F	LOT QUALIFIER	PIPE TWA	38.56	0	630	0	0	-18
EVRAZ Regina - 528807	AE-134D	20410-K	MILL CONTROL	PIPE TPA	38.13	495	575	37.4	0.86	-18
EVRAZ Regina - 528807	AE-134D	20410-K	MILL CONTROL	PIPE TWA	38.59	0	588	0	0	-18
EVRAZ Regina - 528808	AE-134D	19282-T	MILL CONTROL	PIPE TPA	37.981	484	591	34.2	0.82	-18
EVRAZ Regina - 528808	AE-134D	19282-T	MILL CONTROL	PIPE TWA	38.59	0	603	0	0	-18
EVRAZ Regina - 528808	AE-134D	19477-M	LOT QUALIFIER	PIPE TPA	37.93	492	601	33.3	0.82	-18
EVRAZ Regina - 528808	AE-134D	19477-M	LOT QUALIFIER	PIPE TWA	38.58	0	609	0	0	-18
EVRAZ Regina - 528809	AE-134D	18715-J	MILL CONTROL	PIPE TPA	38.151	486	594	34.9	0.82	-18
EVRAZ Regina - 528809	AE-134D	18715-J	MILL CONTROL	PIPE TWA	38.481	0	608	0	0	-18
EVRAZ Regina - 528809	AE-134D	20066-T	LOT QUALIFIER	PIPE TPA	38.08	489	593	35.6	0.82	-18
EVRAZ Regina - 528809	AE-134D	20066-T	LOT QUALIFIER	PIPE TWA	38.58	0	606	0	0	-18
EVRAZ Regina - 528810	AE-134D	18864-S	MILL CONTROL	PIPE TPA	38.011	482	588	35.9	0.82	-18
EVRAZ Regina - 528810	AE-134D	18864-S	MILL CONTROL	PIPE TWA	38.55	0	602	0	0	-18
EVRAZ Regina - 528811	AE-134D	19057-K	MILL CONTROL	PIPE TPA	37.94	495	582	36.2	0.85	-18
EVRAZ Regina - 528811	AE-134D	19057-K	MILL CONTROL	PIPE TWA	38.57	0	603	0	0	-18
EVRAZ Regina - 528812	AE-134D	19357-T	MILL CONTROL	PIPE TPA	38.001	490	577	35.3	0.85	-18
EVRAZ Regina - 528812	AE-134D	19357-T	MILL CONTROL	PIPE TWA	38.57	0	589	0	0	-18
EVRAZ Regina - 528812	AE-134D	19366-M	APPLY / TEST	PIPE TPA	37.97	483	583	36.3	0.83	-18
EVRAZ Regina - 528812	AE-134D	19423-T	LOT QUALIFIER	PIPE TPA	37.96	474	577	33.9	0.82	-18
EVRAZ Regina - 528812	AE-134D	19423-T	LOT QUALIFIER	PIPE TWA	38.59	0	592	0	0	-18
EVRAZ Regina - 528853	AE-134D	21743-J	MILL CONTROL	PIPE TPA	38.26	473	614	36	0.77	-18
EVRAZ Regina - 528853	AE-134D	21743-J	MILL CONTROL	PIPE TWA	38.621	0	620	0	0	-18
EVRAZ Regina - 528853	AE-136A	23628	MILL CONTROL	PIPE TPA	37.92	491	614	35.6	0.8	-18
EVRAZ Regina - 528853	AE-136A	23628	MILL CONTROL	PIPE TWA	38.42	0	621	0	0	-18
EVRAZ Regina - 528854	AE-134D	21291-M	MILL CONTROL	PIPE TPA	38.161	472	603	33.3	0.78	-18
EVRAZ Regina - 528854	AE-134D	21291-M	MILL CONTROL	PIPE TWA	38.57	0	611	0	0	-18
EVRAZ Regina - 528854	AE-136A	22731	MILL CONTROL	PIPE TWA	38.689	0	610	0	0	-18
EVRAZ Regina - 528854	AE-136A	22731-J	MILL CONTROL	PIPE TPA	37.91	468	597	33.9	0.78	-18
EVRAZ Regina - 528855	AE-134D	21954-K	MILL CONTROL	PIPE TPA	38.029	513	614	33.2	0.83	-18
EVRAZ Regina - 528855	AE-134D	21954-K	MILL CONTROL	PIPE TWA	38.611	0	621	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528864	AE-134D	20691-K	MILL CONTROL	PIPE TPA	38.151	488	596	33.6	0.82	-18
EVRAZ Regina - 528864	AE-134D	20691-K	MILL CONTROL	PIPE TWA	38.529	0	608	0	0	-18
EVRAZ Regina - 528864	AE-134D	21241-L	LOT QUALIFIER	PIPE TPA	38.07	484	606	34.9	0.8	-18
EVRAZ Regina - 528864	AE-134D	21241-L	LOT QUALIFIER	PIPE TWA	38.6	0	614	0	0	-18
EVRAZ Regina - 528865	AE-134D	19741-M	MILL CONTROL	PIPE TPA	37.91	491	603	35.4	0.81	-18
EVRAZ Regina - 528865	AE-134D	19741-M	MILL CONTROL	PIPE TWA	38.611	0	619	0	0	-18
EVRAZ Regina - 528865	AE-136A	24098-K	MILL CONTROL	PIPE TPA	37.96	469	607	34.3	0.77	-18
EVRAZ Regina - 528865	AE-136A	24098-K	MILL CONTROL	PIPE TWA	38.44	0	620	0	0	-18
EVRAZ Regina - 528866	AE-134D	21579-S	MILL CONTROL	PIPE TPA	38.29	523	607	34.8	0.86	-18
EVRAZ Regina - 528866	AE-134D	21579-S	MILL CONTROL	PIPE TWA	38.56	0	610	0	0	-18
EVRAZ Regina - 528866	AE-136A	24128-L	MILL CONTROL	PIPE TPA	38.029	482	600	37	0.8	-18
EVRAZ Regina - 528866	AE-136A	24128-L	MILL CONTROL	PIPE TWA	38.39	0	610	0	0	-18
EVRAZ Regina - 528867	AE-134D	21848-K	MILL CONTROL	PIPE TPA	38.021	492	587	35.9	0.84	-18
EVRAZ Regina - 528867	AE-134D	21848-K	MILL CONTROL	PIPE TWA	38.621	0	595	0	0	-18
EVRAZ Regina - 528867	AE-136A	27136	MILL CONTROL	PIPE TPA	38.171	492	587	34.2	0.84	-18
EVRAZ Regina - 528867	AE-136A	27136	MILL CONTROL	PIPE TWA	38.43	0	598	0	0	-18
EVRAZ Regina - 528868	AE-134D	21080-T	MILL CONTROL	PIPE TPA	38.001	505	590	38	0.86	-18
EVRAZ Regina - 528868	AE-134D	21080-T	MILL CONTROL	PIPE TWA	38.621	0	597	0	0	-18
EVRAZ Regina - 528868	AE-134D	21549-M	LOT QUALIFIER	PIPE TPA	38.171	472	583	33.8	0.81	-18
EVRAZ Regina - 528868	AE-134D	21549-M	LOT QUALIFIER	PIPE TWA	38.611	0	597	0	0	-18
EVRAZ Regina - 528885	AE-136A	25691	MILL CONTROL	PIPE TPA	37.94	519	608	34.1	0.85	-18
EVRAZ Regina - 528885	AE-136A	25691-N	MILL CONTROL	PIPE TWA	38.461	0	611	0	0	-18
EVRAZ Regina - 528885	AE-136A	25796	LOT QUALIFIER	PIPE TPA	37.97	506	605	33.5	0.84	-18
EVRAZ Regina - 528885	AE-136A	25796-T	LOT QUALIFIER	PIPE TWA	38.44	0	614	0	0	-18
EVRAZ Regina - 528886	AE-136A	25268	MILL CONTROL	PIPE TPA	38.1	481	608	31.2	0.79	-18
EVRAZ Regina - 528886	AE-136A	25268-F	MILL CONTROL	PIPE TWA	38.369	0	623	0	0	-18
EVRAZ Regina - 528887	AE-136A	23021	MILL CONTROL	PIPE TPA	37.831	472	579	36.3	0.81	-18
EVRAZ Regina - 528887	AE-136A	23021	MILL CONTROL	PIPE TWA	38.699	0	591	0	0	-18
EVRAZ Regina - 528887	AE-136A	23812	LOT QUALIFIER	PIPE TPA	38.08	495	587	34.9	0.84	-18
EVRAZ Regina - 528887	AE-136A	23812-J	LOT QUALIFIER	PIPE TWA	38.44	0	596	0	0	-18
EVRAZ Regina - 528888	AE-136A	22760	MILL CONTROL	PIPE TWA	38.71	0	590	0	0	-18
EVRAZ Regina - 528888	AE-136A	22760-F	MILL CONTROL	PIPE TPA	37.841	447	565	35	0.79	-18
EVRAZ Regina - 528915	AE-136A	24518	MILL CONTROL	PIPE TPA	37.96	518	600	32.7	0.86	-18
EVRAZ Regina - 528915	AE-136A	24518-T	MILL CONTROL	PIPE TWA	38.451	0	612	0	0	-18
EVRAZ Regina - 528916	AE-136A	26274	MILL CONTROL	PIPE TPA	38.13	492	595	34.1	0.83	-18
EVRAZ Regina - 528916	AE-136A	26274-F	MILL CONTROL	PIPE TWA	38.519	0	610	0	0	-18
EVRAZ Regina - 528916	AE-136A	26377	LOT QUALIFIER	PIPE TPA	37.95	497	593	36.2	0.84	-18
EVRAZ Regina - 528916	AE-136A	26377-J	LOT QUALIFIER	PIPE TWA	38.509	0	609	0	0	-18
EVRAZ Regina - 528918	AE-136A	26037-M	MILL CONTROL	PIPE TPA	37.831	499	596	32.6	0.84	-18
EVRAZ Regina - 528918	AE-136A	26037-M	MILL CONTROL	PIPE TWA	38.471	0	610	0	0	-18
EVRAZ Regina - 528919	AE-136A	24343	MILL CONTROL	PIPE TPA	38.001	512	615	32.1	0.83	-18
EVRAZ Regina - 528919	AE-136A	24343-S	MILL CONTROL	PIPE TWA	38.43	0	633	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 528920	AE-136A	26750	MILL CONTROL	PIPE TPA	38.08	508	590	36.3	0.86	-18
EVRAZ Regina - 528920	AE-136A	26750	MILL CONTROL	PIPE TWA	38.4	0	607	0	0	-18
EVRAZ Regina - 528948	AE-136A	26233	MILL CONTROL	PIPE TPA	38.189	525	609	33.3	0.86	-18
EVRAZ Regina - 528948	AE-136A	26233-F	MILL CONTROL	PIPE TWA	38.481	0	621	0	0	-18
EVRAZ Regina - 528949	AE-136A	23702	MILL CONTROL	PIPE TPA	37.851	465	601	33.2	0.77	-18
EVRAZ Regina - 528949	AE-136A	23702-K	MILL CONTROL	PIPE TWA	38.44	0	616	0	0	-18
EVRAZ Regina - 528950	AE-136A	24168-V	MILL CONTROL	PIPE TPA	37.899	472	581	34.9	0.81	-18
EVRAZ Regina - 528950	AE-136A	24168-V	MILL CONTROL	PIPE TWA	38.471	0	600	0	0	-18
EVRAZ Regina - 528951	AE-136A	24604-S	MILL CONTROL	PIPE TPA	37.93	464	581	35.8	0.8	-18
EVRAZ Regina - 528951	AE-136A	24604-S	MILL CONTROL	PIPE TWA	38.379	0	602	0	0	-18
EVRAZ Regina - 528951	AE-136A	25137	MILL CONTROL	PIPE TPA	37.97	494	593	34.3	0.83	-18
EVRAZ Regina - 528951	AE-136A	25137-K	LOT QUALIFIER	PIPE TWA	38.42	0	610	0	0	-18
EVRAZ Regina - 528952	AE-136A	25622	MILL CONTROL	PIPE TPA	37.991	496	587	36.5	0.84	-18
EVRAZ Regina - 528952	AE-136A	25622-T	MILL CONTROL	PIPE TWA	38.44	0	602	0	0	-18
EVRAZ Regina - 529032	AE-136A	24456	MILL CONTROL	PIPE TPA	37.94	502	615	33.5	0.82	-18
EVRAZ Regina - 529032	AE-136A	24456-H	MILL CONTROL	PIPE TWA	38.481	0	633	0	0	-18
EVRAZ Regina - 529033	AE-136A	22516-N	MILL CONTROL	PIPE TPA	37.94	483	581	36	0.83	-18
EVRAZ Regina - 529033	AE-136A	22516-N	MILL CONTROL	PIPE TWA	38.71	0	599	0	0	-18
EVRAZ Regina - 529034	AE-136A	27251	MILL CONTROL	PIPE TPA	38.13	501	590	34.6	0.85	-18
EVRAZ Regina - 529034	AE-136A	27251	MILL CONTROL	PIPE TWA	38.331	0	603	0	0	-18
EVRAZ Regina - 529035	AE-136A	23432	MILL CONTROL	PIPE TPA	37.879	498	589	32.6	0.84	-18
EVRAZ Regina - 529035	AE-136A	23432	MILL CONTROL	PIPE TWA	38.471	0	599	0	0	-18
EVRAZ Regina - 529035	AE-136A	23536	LOT QUALIFIER	PIPE TPA	38.001	492	584	34.8	0.84	-18
EVRAZ Regina - 529035	AE-136A	23536	LOT QUALIFIER	PIPE TWA	38.42	0	595	0	0	-18
EVRAZ Regina - 529036	AE-136A	23124	MILL CONTROL	PIPE TPA	37.851	469	569	34.5	0.82	-18
EVRAZ Regina - 529036	AE-136A	23124	MILL CONTROL	PIPE TWA	38.699	0	585	0	0	-18
EVRAZ Regina - 529037	AE-136A	23226	MILL CONTROL	PIPE TPA	37.851	480	582	34.1	0.83	-18
EVRAZ Regina - 529037	AE-136A	23226	MILL CONTROL	PIPE TWA	38.679	0	601	0	0	-18
EVRAZ Regina - 529037	AE-136A	23323	LOT QUALIFIER	PIPE TPA	37.991	524	621	32.7	0.84	-18
EVRAZ Regina - 529037	AE-136A	23323	LOT QUALIFIER	PIPE TWA	38.41	0	605	0	0	-18
EVRAZ Regina - 529038	AE-136A	23344	MILL CONTROL	PIPE TPA	37.78	491	592	34.4	0.83	-18
EVRAZ Regina - 529038	AE-136A	23344	MILL CONTROL	PIPE TWA	38.349	0	605	0	0	-18
EVRAZ Regina - 529092	AE-136A	25050	MILL CONTROL	PIPE TPA	37.93	483	586	35.2	0.83	-18
EVRAZ Regina - 529092	AE-136A	25050-S	MILL CONTROL	PIPE TWA	38.519	0	598	0	0	-18
EVRAZ Regina - 529171	AE-136A	27626	MILL CONTROL	PIPE TWA	38.379	0	617	0	0	-18
EVRAZ Regina - 529171	AE-136A	27626-L	MILL CONTROL	PIPE TPA	37.559	489	603	35.7	0.81	-18
EVRAZ Regina - 529172	AE-136A	27504	MILL CONTROL	PIPE TPA	37.749	494	593	36.5	0.83	-18
EVRAZ Regina - 529172	AE-136A	27504	MILL CONTROL	PIPE TWA	38.519	0	609	0	0	-18
EVRAZ Regina - 529172	AE-136A	27613	LOT QUALIFIER	PIPE TWA	38.499	0	606	0	0	-18
EVRAZ Regina - 529172	AE-136A	27613-M	LOT QUALIFIER	PIPE TPA	37.589	479	593	34.8	0.81	-18
EVRAZ Regina - 529172	AE-136A	27614-N	APPLY / TEST	PIPE TPA	37.65	493	593	35.7	0.83	-18
EVRAZ Regina - 529173	AE-136A	27711	MILL CONTROL	PIPE TWA	38.499	0	618	0	0	-18

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Width (mm)	YS (MPa)	UTS (MPa)	Elong% (50mm)	Y/T	Temperin
EVRAZ Regina - 529173	AE-136A	27711-K	MILL CONTROL	PIPE TPA	37.691	512	609	37.7	0.84	-18
EVRAZ Regina - 529173	AE-136A	27753-M	APPLY / TEST	PIPE TPA	37.541	507	608	34.3	0.83	-18

# Charpy Data

The information in this worksheet is modifiable.

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409002	AE-134D	CJ451 580	MILL CONTROL	PIPE TPA	-10	199	215	153	189	189	100	100	100	100	90 2/3	
EVRAZ Regina - 409002	AE-134D	CJ451 580	MILL CONTROL	PIPE TWA	-10	100	139	150	130	130	60	80	100	80 FLZ	2/3	
EVRAZ Regina - 409002	AE-134D	CJ452 582	MILL CONTROL	PIPE TWA	-10	142	123	173	146	146	90	95	100	95 FLZ	2/3	
EVRAZ Regina - 409003	AE-134D	CJ573 763	MILL CONTROL	PIPE TPA	-10	194	230	175	200	200	100	100	100	100	90 2/3	
EVRAZ Regina - 409003	AE-134D	CJ573 763	MILL CONTROL	PIPE TWA	-10	53	131	177	120	120	25	95	100	73 FLZ	2/3	
EVRAZ Regina - 409003	AE-134D	CJ574 765	MILL CONTROL	PIPE TWA	-10	119	95	138	117	117	85	70	85	80 FLZ	2/3	
EVRAZ Regina - 409004	AE-134D	CJ466 603	MILL CONTROL	PIPE TPA	-10	190	185	150	175	175	100	100	100	100	90 2/3	
EVRAZ Regina - 409004	AE-134D	CJ466 603	MILL CONTROL	PIPE TWA	-10	182	71	100	118	118	100	65	50	72 FLZ	2/3	
EVRAZ Regina - 409004	AE-134D	CJ467 604	MILL CONTROL	PIPE TWA	-10	200	98	119	139	139	100	50	60	70 FLZ	2/3	
EVRAZ Regina - 409005	AE-134D	CJ405 514	MILL CONTROL	PIPE TPA	-10	182	232	147	187	187	100	100	100	100	90 2/3	
EVRAZ Regina - 409005	AE-134D	CJ405 514	MILL CONTROL	PIPE TWA	-10	150	128	88	122	122	90	75	75	80 FLZ	2/3	
EVRAZ Regina - 409005	AE-134D	CJ406 515	MILL CONTROL	PIPE TWA	-10	150	95	106	117	117	100	80	85	88 FLZ	2/3	
EVRAZ Regina - 409005	AE-134D	CJ411 524	LOT QUALIFIER	PIPE TWA	-10	81	107	106	98	98	85	85	85	85 FLZ	2/3	
EVRAZ Regina - 409005	AE-134D	CJ412 525	LOT QUALIFIER	PIPE TPA	-10	255	268	260	261	261	100	100	100	100	90 2/3	
EVRAZ Regina - 409005	AE-134D	CJ412 525	LOT QUALIFIER	PIPE TWA	-10	59	45	140	81	81	40	40	100	60 FLZ	2/3	
EVRAZ Regina - 409006	AE-134D	CJ493 644	MILL CONTROL	PIPE TPA	-10	258	150	265	224	224	100	100	100	100	90 2/3	
EVRAZ Regina - 409006	AE-134D	CJ493 644	MILL CONTROL	PIPE TWA	-10	148	243	265	219	219	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 409006	AE-134D	CJ494 645	MILL CONTROL	PIPE TWA	-10	99	95	157	117	117	50	50	90	63 FLZ	2/3	
EVRAZ Regina - 409036	AE-134D	CJ397 502	MILL CONTROL	PIPE TPA	-10	204	143	137	161	161	100	100	100	100	90 2/3	
EVRAZ Regina - 409036	AE-134D	CJ397 502	MILL CONTROL	PIPE TWA	-10	52	76	83	70	70	25	50	50	42 FLZ	2/3	
EVRAZ Regina - 409036	AE-134D	CJ398 503	MILL CONTROL	PIPE TWA	-10	65	70	31	55	55	45	55	15	38 FLZ	2/3	
EVRAZ Regina - 409037	AE-134D	CJ464 600	MILL CONTROL	PIPE TPA	-10	189	192	262	214	214	100	100	100	100	90 2/3	
EVRAZ Regina - 409037	AE-134D	CJ464 600	MILL CONTROL	PIPE TWA	-10	160	118	187	155	155	100	85	100	95 FLZ	2/3	
EVRAZ Regina - 409037	AE-134D	CJ465 601	MILL CONTROL	PIPE TWA	-10	127	187	189	168	168	60	100	100	87 FLZ	2/3	
EVRAZ Regina - 409038	AE-134D	CJ478 621	MILL CONTROL	PIPE TPA	-10	201	180	169	183	183	100	100	100	100	90 2/3	
EVRAZ Regina - 409038	AE-134D	CJ478 621	MILL CONTROL	PIPE TWA	-10	127	153	104	128	128	70	75	65	70 FLZ	2/3	
EVRAZ Regina - 409038	AE-134D	CJ479 622	MILL CONTROL	PIPE TWA	-10	174	134	101	136	136	75	60	55	63 FLZ	2/3	
EVRAZ Regina - 409038	AE-134D	CJ635 852	LOT QUALIFIER	PIPE TPA	-10	207	175	221	201	201	100	100	100	100	90 2/3	
EVRAZ Regina - 409038	AE-134D	CJ635 852	LOT QUALIFIER	PIPE TWA	-10	124	126	134	128	128	80	80	80	80 FLZ	2/3	
EVRAZ Regina - 409038	AE-134D	CJ635 853	LOT QUALIFIER	PIPE TWA	-10	111	150	90	117	117	80	90	50	73 FLZ	2/3	
EVRAZ Regina - 409039	AE-134D	CJ458 591	MILL CONTROL	PIPE TPA	-10	164	182	140	162	162	100	100	100	100	90 2/3	
EVRAZ Regina - 409039	AE-134D	CJ458 591	MILL CONTROL	PIPE TWA	-10	73	105	119	99	99	50	85	90	75 FLZ	2/3	
EVRAZ Regina - 409039	AE-134D	CJ459 592	MILL CONTROL	PIPE TWA	-10	89	142	48	93	93	50	95	20	55 FLZ	2/3	
EVRAZ Regina - 409040	AE-134D	CJ499 652	MILL CONTROL	PIPE TPA	-10	165	206	169	180	180	100	100	100	100	90 2/3	
EVRAZ Regina - 409040	AE-134D	CJ499 652	MILL CONTROL	PIPE TWA	-10	158	143	159	153	153	100	90	100	97 FLZ	2/3	
EVRAZ Regina - 409040	AE-134D	CJ500 653	MILL CONTROL	PIPE TWA	-10	137	140	144	140	140	85	85	90	87 FLZ	2/3	
EVRAZ Regina - 409099	AE-134D	CJ438 561	MILL CONTROL	PIPE TPA	-10	162	219	162	181	181	100	100	100	100	90 2/3	
EVRAZ Regina - 409099	AE-134D	CJ438 561	MILL CONTROL	PIPE TWA	-10	98	71	99	89	89	70	50	65	62 FLZ	2/3	
EVRAZ Regina - 409099	AE-134D	CJ439 563	MILL CONTROL	PIPE TWA	-10	92	97	63	84	84	65	70	25	53 FLZ	2/3	
EVRAZ Regina - 409100	AE-134D	CJ421 536	MILL CONTROL	PIPE TPA	-10	240	258	171	223	223	100	100	100	100	90 2/3	
EVRAZ Regina - 409100	AE-134D	CJ421 536	MILL CONTROL	PIPE TWA	-10	91	81	95	89	89	75	75	80	77 FLZ	2/3	
EVRAZ Regina - 409100	AE-134D	CJ422 537	MILL CONTROL	PIPE TWA	-10	109	130	106	115	115	85	85	85	85 FLZ	2/3	
EVRAZ Regina - 409101	AE-134D	CJ550 728	MILL CONTROL	PIPE TPA	-10	186	162	180	176	176	100	100	100	100	90 2/3	
EVRAZ Regina - 409101	AE-134D	CJ550 728	MILL CONTROL	PIPE TWA	-10	130	247	165	181	181	90	100	100	97 FLZ	2/3	
EVRAZ Regina - 409101	AE-134D	CJ551 729	MILL CONTROL	PIPE TWA	-10	101	127	101	110	110	80	85	80	82 FLZ	2/3	
EVRAZ Regina - 409102	AE-134D	CJ546 722	MILL CONTROL	PIPE TPA	-10	239	196	203	213	213	100	100	100	100	90 2/3	
EVRAZ Regina - 409102	AE-134D	CJ546 722	MILL CONTROL	PIPE TWA	-10	131	112	138	127	127	75	60	75	70 FLZ	2/3	
EVRAZ Regina - 409102	AE-134D	CJ547 723	MILL CONTROL	PIPE TWA	-10	88	125	112	108	108	50	85	80	72 FLZ	2/3	
EVRAZ Regina - 409103	AE-134D	CJ583 777	MILL CONTROL	PIPE TPA	-10	148	127	157	144	144	100	100	100	100	90 2/3	
EVRAZ Regina - 409103	AE-134D	CJ583 777	MILL CONTROL	PIPE TWA	-10	105	68	103	92	92	70	50	65	62 FLZ	2/3	
EVRAZ Regina - 409103	AE-134D	CJ584 778	MILL CONTROL	PIPE TWA	-10	96	35	50	60	60	60	15	20	32 FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409127	AE-134D	CJ516 677:	MILL CONTROL	PIPE TPA	-10	262	268	240	257	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409127	AE-134D	CJ516 677:	MILL CONTROL	PIPE TWA	-10	119	118	42	93	75	75	25	58	FLZ	2/3	
EVRAZ Regina - 409127	AE-134D	CJ517 679:	MILL CONTROL	PIPE TWA	-10	97	161	38	99	25	90	15	43	FLZ	2/3	
EVRAZ Regina - 409128	AE-134D	CJ556 737:	MILL CONTROL	PIPE TPA	-10	139	150	160	150	100	100	100	100	90 2/3		
EVRAZ Regina - 409128	AE-134D	CJ556 737:	MILL CONTROL	PIPE TWA	-10	147	92	113	117	85	75	80	80	FLZ	2/3	
EVRAZ Regina - 409128	AE-134D	CJ557 738:	MILL CONTROL	PIPE TWA	-10	92	126	144	121	50	80	80	70	FLZ	2/3	
EVRAZ Regina - 409128	AE-134D	CJ722 978:	LOT QUALIFIER	PIPE TPA	-10	157	148	170	158	100	100	100	100	90 2/3		
EVRAZ Regina - 409128	AE-134D	CJ722 978:	LOT QUALIFIER	PIPE TWA	-10	103	120	107	110	70	65	65	67	FLZ	2/3	
EVRAZ Regina - 409128	AE-134D	CJ722 978:	LOT QUALIFIER	PIPE TWA	-10	65	109	66	80	20	50	20	30	FLZ	2/3	
EVRAZ Regina - 409129	AE-134D	CJ598 799:	MILL CONTROL	PIPE TPA	-10	145	155	200	167	100	100	100	100	90 2/3		
EVRAZ Regina - 409129	AE-134D	CJ598 799:	MILL CONTROL	PIPE TWA	-10	126	140	105	124	85	90	80	85	FLZ	2/3	
EVRAZ Regina - 409129	AE-134D	CJ599 800:	MILL CONTROL	PIPE TWA	-10	123	94	143	120	85	75	70	77	FLZ	2/3	
EVRAZ Regina - 409130	AE-134D	CJ612 819:	MILL CONTROL	PIPE TPA	-10	195	208	228	210	100	100	100	100	90 2/3		
EVRAZ Regina - 409130	AE-134D	CJ612 819:	MILL CONTROL	PIPE TWA	-10	106	143	95	115	85	100	85	90	FLZ	2/3	
EVRAZ Regina - 409130	AE-134D	CJ613 821:	MILL CONTROL	PIPE TWA	-10	90	90	54	78	65	65	25	52	FLZ	2/3	
EVRAZ Regina - 409130	AE-134D	CJ618 828:	LOT QUALIFIER	PIPE TWA	-10	93	85	103	94	75	75	80	77	FLZ	2/3	
EVRAZ Regina - 409130	AE-134D	CJ619 830:	LOT QUALIFIER	PIPE TPA	-10	128	127	132	129	100	100	100	100	90 2/3		
EVRAZ Regina - 409130	AE-134D	CJ619 830:	LOT QUALIFIER	PIPE TWA	-10	37	39	34	37	15	15	15	15	FLZ	2/3	
EVRAZ Regina - 409131	AE-134D	CJ577 769:	MILL CONTROL	PIPE TPA	-10	231	241	220	231	100	100	100	100	90 2/3		
EVRAZ Regina - 409131	AE-134D	CJ577 769:	MILL CONTROL	PIPE TWA	-10	129	105	35	90	85	80	40	68	FLZ	2/3	
EVRAZ Regina - 409131	AE-134D	CJ578 771:	MILL CONTROL	PIPE TWA	-10	136	131	119	129	85	80	75	80	FLZ	2/3	
EVRAZ Regina - 409209	AE-134D	CJ769 104:	MILL CONTROL	PIPE TPA	-10	264	260	262	262	100	100	100	100	90 2/3		
EVRAZ Regina - 409209	AE-134D	CJ769 104:	MILL CONTROL	PIPE TWA	-10	58	86	62	69	30	60	35	42	FLZ	2/3	
EVRAZ Regina - 409209	AE-134D	CJ770 104:	MILL CONTROL	PIPE TWA	-10	91	123	112	109	45	85	50	60	FLZ	2/3	
EVRAZ Regina - 409210	AE-134D	CJ702 948:	MILL CONTROL	PIPE TPA	-10	174	234	138	182	100	100	100	100	90 2/3		
EVRAZ Regina - 409210	AE-134D	CJ702 948:	MILL CONTROL	PIPE TWA	-10	137	119	114	123	35	35	30	33	FLZ	2/3	
EVRAZ Regina - 409210	AE-134D	CJ703 949:	MILL CONTROL	PIPE TWA	-10	125	142	135	134	50	60	50	53	FLZ	2/3	
EVRAZ Regina - 409211	AE-134D	CJ735 996:	MILL CONTROL	PIPE TPA	-10	124	143	142	136	100	100	100	100	90 2/3		
EVRAZ Regina - 409211	AE-134D	CJ735 996:	MILL CONTROL	PIPE TWA	-10	85	85	81	84	55	60	65	60	FLZ	2/3	
EVRAZ Regina - 409211	AE-134D	CJ736 997:	MILL CONTROL	PIPE TWA	-10	98	108	79	95	40	40	35	38	FLZ	2/3	
EVRAZ Regina - 409211	AE-134D	CJ749 101:	LOT QUALIFIER	PIPE TPA	-10	142	140	139	140	100	100	100	100	90 2/3		
EVRAZ Regina - 409211	AE-134D	CJ749 101:	LOT QUALIFIER	PIPE TWA	-10	27	71	76	58	10	30	25	22	FLZ	2/3	
EVRAZ Regina - 409211	AE-134D	CJ750 101:	LOT QUALIFIER	PIPE TWA	-10	73	60	74	69	30	25	30	28	FLZ	2/3	
EVRAZ Regina - 409212	AE-134D	CJ798 109:	MILL CONTROL	PIPE TPA	-10	150	166	185	167	100	100	100	100	90 2/3		
EVRAZ Regina - 409212	AE-134D	CJ798 109:	MILL CONTROL	PIPE TWA	-10	71	142	101	105	25	50	50	42	FLZ	2/3	
EVRAZ Regina - 409212	AE-134D	CJ799 109:	MILL CONTROL	PIPE TWA	-10	63	85	87	78	20	25	25	23	FLZ	2/3	
EVRAZ Regina - 409213	AE-134D	CJ704 951:	MILL CONTROL	PIPE TPA	-10	160	144	150	151	100	100	100	100	90 2/3		
EVRAZ Regina - 409213	AE-134D	CJ704 951:	MILL CONTROL	PIPE TWA	-10	86	95	75	85	30	30	30	30	FLZ	2/3	
EVRAZ Regina - 409213	AE-134D	CJ790 107:	MILL CONTROL	PIPE TWA	-10	49	84	81	71	20	25	25	23	FLZ	2/3	
EVRAZ Regina - 409214	AE-134D	CJ676 910:	MILL CONTROL	PIPE TPA	-10	169	180	248	199	100	100	100	100	90 2/3		
EVRAZ Regina - 409214	AE-134D	CJ676 910:	MILL CONTROL	PIPE TWA	-10	182	159	137	159	90	85	85	87	FLZ	2/3	
EVRAZ Regina - 409214	AE-134D	CJ677 911:	MILL CONTROL	PIPE TWA	-10	102	125	201	143	45	50	70	55	FLZ	2/3	
EVRAZ Regina - 409243	AE-134D	CJ776 105:	MILL CONTROL	PIPE TPA	-10	118	150	136	135	100	100	100	100	90 2/3		
EVRAZ Regina - 409243	AE-134D	CJ776 105:	MILL CONTROL	PIPE TWA	-10	75	85	82	81	75	80	80	78	FLZ	2/3	
EVRAZ Regina - 409243	AE-134D	CJ777 105:	MILL CONTROL	PIPE TWA	-10	70	85	123	93	50	60	95	68	FLZ	2/3	
EVRAZ Regina - 409244	AE-134D	CJ731 991:	MILL CONTROL	PIPE TPA	-10	132	129	121	127	100	100	100	100	90 2/3		
EVRAZ Regina - 409244	AE-134D	CJ731 991:	MILL CONTROL	PIPE TWA	-10	60	60	86	69	30	30	40	33	FLZ	2/3	
EVRAZ Regina - 409244	AE-134D	CJ732 992:	MILL CONTROL	PIPE TWA	-10	70	85	81	79	35	40	35	37	FLZ	2/3	
EVRAZ Regina - 409267	AE-134D	CJ681 917:	MILL CONTROL	PIPE TPA	-10	145	147	237	176	100	100	100	100	90 2/3		
EVRAZ Regina - 409267	AE-134D	CJ681 917:	MILL CONTROL	PIPE TWA	-10	58	100	54	71	25	35	25	28	FLZ	2/3	
EVRAZ Regina - 409267	AE-134D	CJ682 918:	MILL CONTROL	PIPE TWA	-10	129	123	133	128	75	75	75	75	FLZ	2/3	
EVRAZ Regina - 409267	AE-134D	CJ683 920:	LOT QUALIFIER	PIPE TWA	-10	64	25	58	49	25	15	15	18	FLZ	2/3	
EVRAZ Regina - 409267	AE-134D	CK089 142	LOT QUALIFIER	PIPE TPA	-10	158	148	135	147	100	100	100	100	90 2/3		
EVRAZ Regina - 409267	AE-134D	CK089 142	LOT QUALIFIER	PIPE TWA	-10	75	67	83	75	45	20	45	37	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409268	AE-134D	CJ708 957:	MILL CONTROL	PIPE TPA	-10	158	151	179	163	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409268	AE-134D	CJ708 957:	MILL CONTROL	PIPE TWA	-10	83	84	130	99	35	35	90	53	FLZ	2/3	
EVRAZ Regina - 409268	AE-134D	CJ709 958:	MILL CONTROL	PIPE TWA	-10	55	85	65	68	30	35	35	33	FLZ	2/3	
EVRAZ Regina - 409268	AE-134D	CJ956 132:	LOT QUALIFIER	PIPE TWA	-10	112	109	115	112	95	80	80	85	FLZ	2/3	
EVRAZ Regina - 409268	AE-134D	CK087 142	LOT QUALIFIER	PIPE TPA	-10	142	168	141	150	100	100	100	100	90	2/3	
EVRAZ Regina - 409268	AE-134D	CK087 142	LOT QUALIFIER	PIPE TWA	-10	72	65	80	72	15	15	20	17	FLZ	2/3	
EVRAZ Regina - 409269	AE-134D	CJ666 897:	MILL CONTROL	PIPE TPA	-10	212	175	151	179	100	100	100	100	90	2/3	
EVRAZ Regina - 409269	AE-134D	CJ666 897:	MILL CONTROL	PIPE TWA	-10	99	105	91	98	95	75	55	75	FLZ	2/3	
EVRAZ Regina - 409269	AE-134D	CJ667 898:	MILL CONTROL	PIPE TWA	-10	148	118	159	142	100	85	100	95	FLZ	2/3	
EVRAZ Regina - 409269	AE-134D	CJ960 132:	LOT QUALIFIER	PIPE TWA	-10	105	89	112	102	60	60	70	63	FLZ	2/3	
EVRAZ Regina - 409269	AE-134D	CJ961 133:	LOT QUALIFIER	PIPE TPA	-10	183	175	172	177	100	100	100	100	90	2/3	
EVRAZ Regina - 409269	AE-134D	CJ961 133:	LOT QUALIFIER	PIPE TWA	-10	69	84	70	74	60	60	60	60	FLZ	2/3	
EVRAZ Regina - 409270	AE-134D	CJ694 936:	MILL CONTROL	PIPE TPA	-10	189	151	187	176	100	100	100	100	90	2/3	
EVRAZ Regina - 409270	AE-134D	CJ694 936:	MILL CONTROL	PIPE TWA	-10	33	97	77	69	15	65	60	47	FLZ	2/3	
EVRAZ Regina - 409270	AE-134D	CJ695 938:	MILL CONTROL	PIPE TWA	-10	101	63	59	74	55	20	25	33	FLZ	2/3	
EVRAZ Regina - 409271	AE-134D	CJ649 871:	MILL CONTROL	PIPE TPA	-10	151	193	145	163	100	100	100	100	90	2/3	
EVRAZ Regina - 409271	AE-134D	CJ649 871:	MILL CONTROL	PIPE TWA	-10	114	88	51	84	65	20	25	37	FLZ	2/3	
EVRAZ Regina - 409271	AE-134D	CJ650 873:	MILL CONTROL	PIPE TWA	-10	55	20	95	57	20	15	40	25	FLZ	2/3	
EVRAZ Regina - 409271	AE-134D	CJ952 131:	LOT QUALIFIER	PIPE TWA	-10	133	91	90	105	65	25	25	38	FLZ	2/3	
EVRAZ Regina - 409271	AE-134D	CJ953 131:	LOT QUALIFIER	PIPE TPA	-10	140	151	159	150	100	100	100	100	90	2/3	
EVRAZ Regina - 409271	AE-134D	CJ953 131:	LOT QUALIFIER	PIPE TWA	-10	128	155	170	151	70	95	100	88	FLZ	2/3	
EVRAZ Regina - 409272	AE-134D	CJ710 960:	MILL CONTROL	PIPE TPA	-10	170	144	170	161	100	100	100	100	90	2/3	
EVRAZ Regina - 409272	AE-134D	CJ710 960:	MILL CONTROL	PIPE TWA	-10	119	41	89	83	90	10	50	50	FLZ	2/3	
EVRAZ Regina - 409272	AE-134D	CJ711 961:	MILL CONTROL	PIPE TWA	-10	127	127	157	137	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409273	AE-134D	CJ707 955:	MILL CONTROL	PIPE TPA	-10	192	150	141	161	100	100	100	100	90	2/3	
EVRAZ Regina - 409273	AE-134D	CJ707 955:	MILL CONTROL	PIPE TWA	-10	63	99	101	88	35	45	45	42	FLZ	2/3	
EVRAZ Regina - 409273	AE-134D	CJ889 122:	MILL CONTROL	PIPE TWA	-10	99	118	44	87	30	35	10	25	FLZ	2/3	
EVRAZ Regina - 409274	AE-134D	CJ673 906:	MILL CONTROL	PIPE TPA	-10	145	158	250	184	100	100	100	100	90	2/3	
EVRAZ Regina - 409274	AE-134D	CJ673 906:	MILL CONTROL	PIPE TWA	-10	142	151	101	131	70	85	70	75	FLZ	2/3	
EVRAZ Regina - 409274	AE-134D	CJ674 907:	MILL CONTROL	PIPE TWA	-10	132	86	171	130	70	20	80	57	FLZ	2/3	
EVRAZ Regina - 409329	AE-134D	CJ839 115:	MILL CONTROL	PIPE TPA	-10	247	195	251	231	100	100	100	100	90	2/3	
EVRAZ Regina - 409329	AE-134D	CJ839 115:	MILL CONTROL	PIPE TWA	-10	233	119	86	146	100	50	50	67	FLZ	2/3	
EVRAZ Regina - 409329	AE-134D	CJ840 115:	MILL CONTROL	PIPE TWA	-10	162	168	203	178	85	85	100	90	FLZ	2/3	
EVRAZ Regina - 409335	AE-134D	CJ849 116:	MILL CONTROL	PIPE TPA	-10	147	142	141	143	100	100	100	100	90	2/3	
EVRAZ Regina - 409335	AE-134D	CJ849 116:	MILL CONTROL	PIPE TWA	-10	61	85	96	81	35	40	40	38	FLZ	2/3	
EVRAZ Regina - 409335	AE-134D	CJ850 116:	MILL CONTROL	PIPE TWA	-10	95	95	66	85	55	55	40	50	FLZ	2/3	
EVRAZ Regina - 409336	AE-134D	CJ879 120:	MILL CONTROL	PIPE TPA	-10	146	147	161	151	100	100	100	100	90	2/3	
EVRAZ Regina - 409336	AE-134D	CJ879 120:	MILL CONTROL	PIPE TWA	-10	185	118	123	142	100	90	95	95	FLZ	2/3	
EVRAZ Regina - 409336	AE-134D	CJ880 120:	MILL CONTROL	PIPE TWA	-10	107	115	109	110	45	50	45	47	FLZ	2/3	
EVRAZ Regina - 409336	AE-134D	CK369 184	LOT QUALIFIER	PIPE TWA	-10	160	89	115	121	90	40	80	70	FLZ	2/3	
EVRAZ Regina - 409336	AE-134D	CK369 184	LOT QUALIFIER	PIPE TPA	-10	142	153	178	158	100	100	100	100	90	2/3	
EVRAZ Regina - 409336	AE-134D	CK369 184	LOT QUALIFIER	PIPE TWA	-10	114	130	121	122	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409337	AE-134D	CJ833 114:	MILL CONTROL	PIPE TPA	-10	215	141	142	166	100	100	100	100	90	2/3	
EVRAZ Regina - 409337	AE-134D	CJ833 114:	MILL CONTROL	PIPE TWA	-10	129	105	160	131	80	70	95	82	FLZ	2/3	
EVRAZ Regina - 409337	AE-134D	CJ834 114:	MILL CONTROL	PIPE TWA	-10	193	144	188	175	90	85	90	88	FLZ	2/3	
EVRAZ Regina - 409338	AE-134D	CJ835 114:	MILL CONTROL	PIPE TPA	-10	204	200	157	187	100	100	100	100	90	2/3	
EVRAZ Regina - 409338	AE-134D	CJ835 114:	MILL CONTROL	PIPE TWA	-10	115	129	105	116	60	65	50	58	FLZ	2/3	
EVRAZ Regina - 409338	AE-134D	CJ836 114:	MILL CONTROL	PIPE TWA	-10	86	127	140	118	45	65	50	53	FLZ	2/3	
EVRAZ Regina - 409338	AE-134D	CK167 154	LOT QUALIFIER	PIPE TWA	-10	143	155	109	136	100	100	80	93	FLZ	2/3	
EVRAZ Regina - 409338	AE-134D	CK168 154	LOT QUALIFIER	PIPE TPA	-10	200	158	215	191	100	100	100	100	90	2/3	
EVRAZ Regina - 409338	AE-134D	CK168 154	LOT QUALIFIER	PIPE TWA	-10	133	123	151	136	95	100	100	98	FLZ	2/3	
EVRAZ Regina - 409339	AE-134D	CJ866 118:	MILL CONTROL	PIPE TPA	-10	262	258	188	236	100	100	100	100	90	2/3	
EVRAZ Regina - 409339	AE-134D	CJ866 118:	MILL CONTROL	PIPE TWA	-10	166	61	160	129	90	25	95	70	FLZ	2/3	
EVRAZ Regina - 409339	AE-134D	CJ866 118:	LOT QUALIFIER	PIPE TWA	-10	99	124	87	103	60	80	55	65	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409339	AE-134D	CJ867 119	MILL CONTROL	PIPE TWA	-10	108	151	152	137	137	60	95	95	83 FLZ	2/3	
EVRAZ Regina - 409339	AE-134D	CK088 142	LOT QUALIFIER	PIPE TPA	-10	255	221	211	229	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409339	AE-134D	CK088 142	LOT QUALIFIER	PIPE TWA	-10	124	80	80	95	85	25	25	45 FLZ	2/3		
EVRAZ Regina - 409340	AE-134D	CJ815 111	MILL CONTROL	PIPE TPA	-10	268	271	272	270	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409340	AE-134D	CJ815 111	MILL CONTROL	PIPE TWA	-10	185	136	137	153	100	85	85	90 FLZ	2/3		
EVRAZ Regina - 409340	AE-134D	CJ816 111	MILL CONTROL	PIPE TWA	-10	180	118	128	142	100	75	80	85 FLZ	2/3		
EVRAZ Regina - 409340	AE-134D	CJ958 132	LOT QUALIFIER	PIPE TWA	-10	82	91	110	94	50	50	65	55 FLZ	2/3		
EVRAZ Regina - 409340	AE-134D	CJ959 132	LOT QUALIFIER	PIPE TPA	-10	255	199	155	203	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409340	AE-134D	CJ959 132	LOT QUALIFIER	PIPE TWA	-10	122	170	143	145	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409341	AE-134D	CJ847 116	MILL CONTROL	PIPE TPA	-10	165	181	168	171	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409341	AE-134D	CJ847 116	MILL CONTROL	PIPE TWA	-10	109	86	138	111	45	30	50	42 FLZ	2/3		
EVRAZ Regina - 409341	AE-134D	CJ848 116	MILL CONTROL	PIPE TWA	-10	130	220	129	160	50	100	50	67 FLZ	2/3		
EVRAZ Regina - 409342	AE-134D	CJ941 130	MILL CONTROL	PIPE TPA	-10	141	142	127	137	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409342	AE-134D	CJ941 130	MILL CONTROL	PIPE TWA	-10	93	84	92	90	60	55	60	58 FLZ	2/3		
EVRAZ Regina - 409342	AE-134D	CJ942 130	MILL CONTROL	PIPE TWA	-10	111	131	133	125	60	75	90	75 FLZ	2/3		
EVRAZ Regina - 409387	AE-134D	CK071 140	MILL CONTROL	PIPE TPA	-10	100	92	112	101	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409387	AE-134D	CK071 140	MILL CONTROL	PIPE TWA	-10	58	63	72	64	35	35	40	37 FLZ	2/3		
EVRAZ Regina - 409387	AE-134D	CK072 140	MILL CONTROL	PIPE TWA	-10	25	60	37	41	10	20	15	15 FLZ	2/3		
EVRAZ Regina - 409387	AE-134D	CK077 141	LOT QUALIFIER	PIPE TWA	-10	40	53	58	50	10	15	10	12 FLZ	2/3		
EVRAZ Regina - 409387	AE-134D	CK085 142	LOT QUALIFIER	PIPE TPA	-10	108	103	109	107	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409387	AE-134D	CK085 142	LOT QUALIFIER	PIPE TWA	-10	68	58	70	65	15	15	20	17 FLZ	2/3		
EVRAZ Regina - 409388	AE-134D	CK034 134	MILL CONTROL	PIPE TPA	-10	219	155	220	198	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409388	AE-134D	CK034 134	MILL CONTROL	PIPE TWA	-10	163	160	195	173	95	100	100	98 FLZ	2/3		
EVRAZ Regina - 409388	AE-134D	CK035 134	MILL CONTROL	PIPE TWA	-10	111	148	199	153	80	100	100	93 FLZ	2/3		
EVRAZ Regina - 409388	AE-134D	CK386 186	LOT QUALIFIER	PIPE TPA	-10	184	163	149	165	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409388	AE-134D	CK386 186	LOT QUALIFIER	PIPE TWA	-10	143	131	119	131	90	100	85	92 FLZ	2/3		
EVRAZ Regina - 409388	AE-134D	CK387 186	LOT QUALIFIER	PIPE TWA	-10	114	117	109	113	70	70	70	70 FLZ	2/3		
EVRAZ Regina - 409389	AE-134D	CK264 168	MILL CONTROL	PIPE TPA	-10	175	141	149	155	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409389	AE-134D	CK264 168	MILL CONTROL	PIPE TWA	-10	160	148	170	159	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 409389	AE-134D	CK268 169	MILL CONTROL	PIPE TWA	-10	115	115	85	105	90	90	70	83 FLZ	2/3		
EVRAZ Regina - 409389	AE-136A	CK871 236	MILL CONTROL	PIPE TPA	-10	141	155	145	147	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409389	AE-136A	CK871 236	MILL CONTROL	PIPE TWA	-10	106	71	56	78	55	45	45	48 FLZ	2/3		
EVRAZ Regina - 409389	AE-136A	CK871 236	MILL CONTROL	PIPE TWA	-10	86	125	101	104	85	85	100	90 FLZ	2/3		
EVRAZ Regina - 409390	AE-134D	CK151 151	MILL CONTROL	PIPE TPA	-10	189	185	178	184	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409390	AE-134D	CK151 151	MILL CONTROL	PIPE TWA	-10	85	97	105	96	55	60	65	60 FLZ	2/3		
EVRAZ Regina - 409390	AE-134D	CK152 152	MILL CONTROL	PIPE TWA	-10	99	90	92	94	35	35	35	35 FLZ	2/3		
EVRAZ Regina - 409390	AE-134D	CK156 152	LOT QUALIFIER	PIPE TWA	-10	120	75	100	98	65	45	50	53 FLZ	2/3		
EVRAZ Regina - 409390	AE-134D	CK157 152	LOT QUALIFIER	PIPE TPA	-10	162	161	200	174	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409390	AE-134D	CK157 152	LOT QUALIFIER	PIPE TWA	-10	140	115	120	125	95	70	85	83 FLZ	2/3		
EVRAZ Regina - 409391	AE-134D	CK040 135	MILL CONTROL	PIPE TPA	-10	218	180	210	203	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409391	AE-134D	CK040 135	MILL CONTROL	PIPE TWA	-10	229	191	135	185	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 409391	AE-134D	CK041 135	MILL CONTROL	PIPE TWA	-10	112	130	175	139	75	75	100	83 FLZ	2/3		
EVRAZ Regina - 409392	AE-134D	CK145 151	MILL CONTROL	PIPE TPA	-10	145	161	140	149	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409392	AE-134D	CK145 151	MILL CONTROL	PIPE TWA	-10	81	168	168	139	35	100	100	78 FLZ	2/3		
EVRAZ Regina - 409392	AE-134D	CK146 151	MILL CONTROL	PIPE TWA	-10	81	91	90	87	25	30	25	27 FLZ	2/3		
EVRAZ Regina - 409393	AE-134D	CK057 138	MILL CONTROL	PIPE TPA	-10	148	147	158	151	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409393	AE-134D	CK057 138	MILL CONTROL	PIPE TWA	-10	93	66	95	85	45	40	40	42 FLZ	2/3		
EVRAZ Regina - 409393	AE-134D	CK058 138	MILL CONTROL	PIPE TWA	-10	204	110	117	144	100	80	85	88 FLZ	2/3		
EVRAZ Regina - 409393	AE-134D	CK063 139	LOT QUALIFIER	PIPE TWA	-10	95	115	90	100	90	90	90	90 FLZ	2/3		
EVRAZ Regina - 409393	AE-134D	CK064 139	LOT QUALIFIER	PIPE TPA	-10	200	165	160	175	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409393	AE-134D	CK064 139	LOT QUALIFIER	PIPE TWA	-10	120	135	100	118	85	90	85	87 FLZ	2/3		
EVRAZ Regina - 409435	AE-134D	CK179 156	MILL CONTROL	PIPE TPA	-10	200	155	231	195	100	100	100	100	90 FLZ	2/3	
EVRAZ Regina - 409435	AE-134D	CK179 156	MILL CONTROL	PIPE TWA	-10	148	156	131	145	95	100	100	98 FLZ	2/3		
EVRAZ Regina - 409435	AE-134D	CK180 156	MILL CONTROL	PIPE TWA	-10	141	131	139	137	95	100	95	97 FLZ	2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409436	AE-134D	CK028 133	MILL CONTROL	PIPE TPA	-10	168	162	202	177	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409436	AE-134D	CK028 133	MILL CONTROL	PIPE TWA	-10	82	65	100	82	50	45	65	53	FLZ	2/3	
EVRAZ Regina - 409436	AE-134D	CK029 133	MILL CONTROL	PIPE TWA	-10	77	104	114	98	45	55	70	57	FLZ	2/3	
EVRAZ Regina - 409437	AE-134D	CK078 141	MILL CONTROL	PIPE TPA	-10	260	152	153	188	100	100	100	100	90 2/3		
EVRAZ Regina - 409437	AE-134D	CK078 141	MILL CONTROL	PIPE TWA	-10	113	145	126	128	55	95	70	73	FLZ	2/3	
EVRAZ Regina - 409437	AE-134D	CK079 141	MILL CONTROL	PIPE TWA	-10	140	122	120	127	95	60	60	72	FLZ	2/3	
EVRAZ Regina - 409437	AE-134D	CK322 177	LOT QUALIFIER	PIPE TPA	-10	155	159	218	177	100	100	100	100	90 2/3		
EVRAZ Regina - 409437	AE-134D	CK322 177	LOT QUALIFIER	PIPE TWA	-10	167	200	172	180	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409437	AE-134D	CK322 177	LOT QUALIFIER	PIPE TWA	-10	146	145	151	147	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409438	AE-134D	CK095 143	MILL CONTROL	PIPE TPA	-10	179	240	180	200	100	100	100	100	90 2/3		
EVRAZ Regina - 409438	AE-134D	CK095 143	MILL CONTROL	PIPE TWA	-10	95	121	105	107	50	90	55	65	FLZ	2/3	
EVRAZ Regina - 409438	AE-134D	CK096 143	MILL CONTROL	PIPE TWA	-10	121	140	94	118	65	95	40	67	FLZ	2/3	
EVRAZ Regina - 409439	AE-134D	CK171 154	MILL CONTROL	PIPE TPA	-10	145	139	151	145	100	100	100	100	90 2/3		
EVRAZ Regina - 409439	AE-134D	CK171 154	MILL CONTROL	PIPE TWA	-10	112	169	159	147	80	100	100	93	FLZ	2/3	
EVRAZ Regina - 409439	AE-134D	CK172 155	MILL CONTROL	PIPE TWA	-10	110	121	138	123	90	95	100	95	FLZ	2/3	
EVRAZ Regina - 409440	AE-134D	CK211 160	MILL CONTROL	PIPE TPA	-10	197	194	192	194	100	100	100	100	90 2/3		
EVRAZ Regina - 409440	AE-134D	CK211 160	MILL CONTROL	PIPE TWA	-10	129	135	129	131	90	100	100	97	FLZ	2/3	
EVRAZ Regina - 409440	AE-134D	CK212 161	MILL CONTROL	PIPE TWA	-10	77	110	67	85	60	70	60	63	FLZ	2/3	
EVRAZ Regina - 409440	AE-134D	CK263 168	LOT QUALIFIER	PIPE TWA	-10	51	119	193	121	20	95	100	72	FLZ	2/3	
EVRAZ Regina - 409440	AE-134D	CK350 181	LOT QUALIFIER	PIPE TPA	-10	147	162	182	164	100	100	100	100	90 2/3		
EVRAZ Regina - 409440	AE-134D	CK350 181	LOT QUALIFIER	PIPE TWA	-10	141	109	148	133	100	75	95	90	FLZ	2/3	
EVRAZ Regina - 409441	AE-134D	CK109 145	MILL CONTROL	PIPE TPA	-10	213	185	159	186	100	100	100	100	90 2/3		
EVRAZ Regina - 409441	AE-134D	CK109 145	MILL CONTROL	PIPE TWA	-10	126	119	119	121	55	50	50	52	FLZ	2/3	
EVRAZ Regina - 409441	AE-134D	CK110 145	MILL CONTROL	PIPE TWA	-10	250	259	261	257	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409441	AE-134D	CK113 146	LOT QUALIFIER	PIPE TWA	-10	95	114	148	119	50	60	75	62	FLZ	2/3	
EVRAZ Regina - 409441	AE-134D	CK114 146	LOT QUALIFIER	PIPE TPA	-10	247	184	226	219	100	100	100	100	90 2/3		
EVRAZ Regina - 409441	AE-134D	CK114 146	LOT QUALIFIER	PIPE TWA	-10	120	89	94	101	45	40	40	42	FLZ	2/3	
EVRAZ Regina - 409442	AE-134D	CK117 146	MILL CONTROL	PIPE TPA	-10	153	154	147	151	100	100	100	100	90 2/3		
EVRAZ Regina - 409442	AE-134D	CK117 146	MILL CONTROL	PIPE TWA	-10	114	105	82	100	25	25	25	25	FLZ	2/3	
EVRAZ Regina - 409442	AE-134D	CK118 147	MILL CONTROL	PIPE TWA	-10	95	65	120	93	25	20	25	23	FLZ	2/3	
EVRAZ Regina - 409442	AE-134D	CK122 147	LOT QUALIFIER	PIPE TWA	-10	136	93	158	129	85	50	100	78	FLZ	2/3	
EVRAZ Regina - 409442	AE-134D	CK122 147	LOT QUALIFIER	PIPE TPA	-10	182	152	152	162	100	100	100	100	90 2/3		
EVRAZ Regina - 409442	AE-134D	CK122 147	LOT QUALIFIER	PIPE TWA	-10	107	80	155	114	60	35	100	65	FLZ	2/3	
EVRAZ Regina - 409486	AE-134D	CK201 159	MILL CONTROL	PIPE TPA	-10	202	228	183	204	100	100	100	100	90 2/3		
EVRAZ Regina - 409486	AE-134D	CK201 159	MILL CONTROL	PIPE TWA	-10	113	147	139	133	90	100	95	95	FLZ	2/3	
EVRAZ Regina - 409486	AE-134D	CK202 159	MILL CONTROL	PIPE TWA	-10	83	81	47	70	50	50	40	47	FLZ	2/3	
EVRAZ Regina - 409487	AE-134D	CK324 177	MILL CONTROL	PIPE TPA	-10	185	218	153	185	100	100	100	100	90 2/3		
EVRAZ Regina - 409487	AE-134D	CK324 177	MILL CONTROL	PIPE TWA	-10	115	120	125	120	70	75	75	73	FLZ	2/3	
EVRAZ Regina - 409487	AE-134D	CK325 177	MILL CONTROL	PIPE TWA	-10	165	159	160	161	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409488	AE-134D	CK217 161	MILL CONTROL	PIPE TPA	-10	173	148	197	173	100	100	100	100	90 2/3		
EVRAZ Regina - 409488	AE-134D	CK217 161	MILL CONTROL	PIPE TWA	-10	138	119	129	129	95	90	90	92	FLZ	2/3	
EVRAZ Regina - 409488	AE-134D	CK218 161	MILL CONTROL	PIPE TWA	-10	152	123	138	138	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 409489	AE-134D	CK233 164	MILL CONTROL	PIPE TPA	-10	250	198	159	202	100	100	100	100	90 2/3		
EVRAZ Regina - 409489	AE-134D	CK233 164	MILL CONTROL	PIPE TWA	-10	151	133	155	146	100	90	100	97	FLZ	2/3	
EVRAZ Regina - 409489	AE-134D	CK234 164	MILL CONTROL	PIPE TWA	-10	144	140	179	154	100	90	100	97	FLZ	2/3	
EVRAZ Regina - 409489	AE-134D	CK238 164	LOT QUALIFIER	PIPE TWA	-10	135	98	81	105	95	55	55	68	FLZ	2/3	
EVRAZ Regina - 409489	AE-134D	CK239 165	LOT QUALIFIER	PIPE TPA	-10	178	170	168	172	100	100	100	100	90 2/3		
EVRAZ Regina - 409489	AE-134D	CK239 165	LOT QUALIFIER	PIPE TWA	-10	143	245	179	189	95	100	100	98	FLZ	2/3	
EVRAZ Regina - 409490	AE-136A	CK978 251	MILL CONTROL	PIPE TPA	-10	260	218	174	217	100	100	100	100	90 2/3		
EVRAZ Regina - 409490	AE-136A	CK978 251	MILL CONTROL	PIPE TWA	-10	90	57	41	63	45	40	40	42	FLZ	2/3	
EVRAZ Regina - 409490	AE-136A	CK979 251	MILL CONTROL	PIPE TWA	-10	145	110	49	101	80	80	25	62	FLZ	2/3	
EVRAZ Regina - 409528	AE-134D	CK380 185	MILL CONTROL	PIPE TPA	-10	252	205	283	247	100	100	100	100	90 2/3		
EVRAZ Regina - 409528	AE-134D	CK380 185	MILL CONTROL	PIPE TWA	-10	152	151	144	149	80	80	75	78	FLZ	2/3	
EVRAZ Regina - 409528	AE-134D	CK381 185	MILL CONTROL	PIPE TWA	-10	173	143	188	168	100	80	100	93	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409529	AE-134D	CK363 183	MILL CONTROL	PIPE TPA	-10	169	147	149	155	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409529	AE-134D	CK363 183	MILL CONTROL	PIPE TWA	-10	220	174	220	205	100	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 409529	AE-134D	CK364 183	MILL CONTROL	PIPE TWA	-10	158	161	153	157	100	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 409530	AE-134D	CK241 165	MILL CONTROL	PIPE TPA	-10	208	183	255	215	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409530	AE-134D	CK241 165	MILL CONTROL	PIPE TWA	-10	212	140	168	173	100	95	100	100	98	FLZ 2/3	
EVRAZ Regina - 409530	AE-134D	CK242 165	MILL CONTROL	PIPE TWA	-10	80	99	103	94	50	50	50	50	50	FLZ 2/3	
EVRAZ Regina - 409530	AE-134D	CK384 186	LOT QUALIFIER	PIPE TWA	-10	163	164	140	156	95	95	85	92	FLZ 2/3		
EVRAZ Regina - 409530	AE-134D	CK385 186	LOT QUALIFIER	PIPE TPA	-10	282	159	167	203	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409530	AE-134D	CK385 186	LOT QUALIFIER	PIPE TWA	-10	81	73	72	75	55	50	50	52	FLZ 2/3		
EVRAZ Regina - 409531	AE-134D	CK306 174	MILL CONTROL	PIPE TPA	-10	170	155	245	190	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409531	AE-134D	CK306 174	MILL CONTROL	PIPE TWA	-10	149	135	128	137	100	95	90	95	FLZ 2/3		
EVRAZ Regina - 409531	AE-134D	CK307 174	MILL CONTROL	PIPE TWA	-10	110	91	103	101	90	60	75	75	FLZ 2/3		
EVRAZ Regina - 409532	AE-134D	CK353 181	MILL CONTROL	PIPE TPA	-10	138	134	150	141	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409532	AE-134D	CK353 181	MILL CONTROL	PIPE TWA	-10	117	102	97	105	70	50	40	53	FLZ 2/3		
EVRAZ Regina - 409532	AE-134D	CK354 181	MILL CONTROL	PIPE TWA	-10	100	120	112	111	80	90	70	80	FLZ 2/3		
EVRAZ Regina - 409533	AE-134D	CK311 175	MILL CONTROL	PIPE TPA	-10	168	251	165	195	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409533	AE-134D	CK311 175	MILL CONTROL	PIPE TWA	-10	83	72	104	86	35	35	55	42	FLZ 2/3		
EVRAZ Regina - 409533	AE-134D	CK312 175	MILL CONTROL	PIPE TWA	-10	108	123	90	107	80	80	65	75	FLZ 2/3		
EVRAZ Regina - 409571	AE-134D	CK509 204	MILL CONTROL	PIPE TPA	-10	152	258	171	194	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409571	AE-134D	CK509 204	MILL CONTROL	PIPE TWA	-10	112	147	110	123	55	60	50	55	FLZ 2/3		
EVRAZ Regina - 409571	AE-134D	CK510 205	MILL CONTROL	PIPE TWA	-10	155	176	179	170	80	100	100	93	FLZ 2/3		
EVRAZ Regina - 409571	AE-136A	CL007 255	MILL CONTROL	PIPE TPA	-10	183	183	166	177	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409571	AE-136A	CL007 255	MILL CONTROL	PIPE TWA	-10	96	98	80	91	45	45	45	45	FLZ 2/3		
EVRAZ Regina - 409571	AE-136A	CL008 256	MILL CONTROL	PIPE TWA	-10	90	90	83	88	40	40	40	40	FLZ 2/3		
EVRAZ Regina - 409572	AE-134D	CK466 198	MILL CONTROL	PIPE TPA	-10	148	180	141	156	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409572	AE-134D	CK466 198	MILL CONTROL	PIPE TWA	-10	159	139	142	147	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 409572	AE-134D	CK467 198	MILL CONTROL	PIPE TWA	-10	79	64	98	80	45	40	50	45	FLZ 2/3		
EVRAZ Regina - 409573	AE-134D	CK443 195	MILL CONTROL	PIPE TPA	-10	178	168	150	165	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409573	AE-134D	CK443 195	MILL CONTROL	PIPE TWA	-10	141	132	120	131	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 409573	AE-134D	CK444 195	MILL CONTROL	PIPE TWA	-10	139	101	151	130	100	90	100	97	FLZ 2/3		
EVRAZ Regina - 409574	AE-134D	CK373 184	MILL CONTROL	PIPE TPA	-10	140	134	149	141	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409574	AE-134D	CK373 184	MILL CONTROL	PIPE TWA	-10	131	116	126	124	75	60	75	70	FLZ 2/3		
EVRAZ Regina - 409574	AE-134D	CK374 184	MILL CONTROL	PIPE TWA	-10	51	47	55	51	15	15	15	15	FLZ 2/3		
EVRAZ Regina - 409576	AE-134D	CK448 195	MILL CONTROL	PIPE TPA	-10	192	180	189	187	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409576	AE-134D	CK448 195	MILL CONTROL	PIPE TWA	-10	119	131	145	132	60	95	100	85	FLZ 2/3		
EVRAZ Regina - 409576	AE-134D	CK449 196	MILL CONTROL	PIPE TWA	-10	150	142	140	144	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 409607	AE-134D	CK422 192	MILL CONTROL	PIPE TPA	-10	145	145	142	144	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409607	AE-134D	CK422 192	MILL CONTROL	PIPE TWA	-10	117	110	127	118	85	80	70	78	FLZ 2/3		
EVRAZ Regina - 409607	AE-134D	CK423 192	MILL CONTROL	PIPE TWA	-10	115	108	111	111	70	70	70	70	FLZ 2/3		
EVRAZ Regina - 409608	AE-134D	CK416 191	MILL CONTROL	PIPE TPA	-10	136	128	131	132	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409608	AE-134D	CK416 191	MILL CONTROL	PIPE TWA	-10	100	99	95	98	40	40	40	40	FLZ 2/3		
EVRAZ Regina - 409608	AE-134D	CK417 191	MILL CONTROL	PIPE TWA	-10	112	100	97	103	80	70	50	67	FLZ 2/3		
EVRAZ Regina - 409609	AE-134D	CK460 197	MILL CONTROL	PIPE TPA	-10	256	246	191	231	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409609	AE-134D	CK460 197	MILL CONTROL	PIPE TWA	-10	56	62	69	62	30	30	30	30	FLZ 2/3		
EVRAZ Regina - 409609	AE-134D	CK461 197	MILL CONTROL	PIPE TWA	-10	133	159	141	144	95	100	100	98	FLZ 2/3		
EVRAZ Regina - 409609	AE-136A	CK924 244	MILL CONTROL	PIPE TPA	-10	144	203	151	166	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409609	AE-136A	CK924 244	MILL CONTROL	PIPE TWA	-10	77	48	137	87	50	15	100	55	FLZ 2/3		
EVRAZ Regina - 409609	AE-136A	CK925 244	MILL CONTROL	PIPE TWA	-10	108	105	124	112	65	65	65	65	FLZ 2/3		
EVRAZ Regina - 409650	AE-134D	CK518 206	MILL CONTROL	PIPE TPA	-10	149	155	141	148	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409650	AE-134D	CK518 206	MILL CONTROL	PIPE TWA	-10	80	78	51	70	50	50	45	48	FLZ 2/3		
EVRAZ Regina - 409650	AE-134D	CK519 206	MILL CONTROL	PIPE TWA	-10	70	120	115	102	45	80	75	67	FLZ 2/3		
EVRAZ Regina - 409650	AE-134D	CK555 211	LOT QUALIFIER	PIPE TPA	-10	133	127	129	130	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409650	AE-134D	CK555 211	LOT QUALIFIER	PIPE TWA	-10	84	125	94	101	75	100	75	83	FLZ 2/3		
EVRAZ Regina - 409650	AE-134D	CK557 212	LOT QUALIFIER	PIPE TWA	-10	78	62	85	75	15	15	15	15	FLZ 2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409651	AE-134D	CK543 210	MILL CONTROL	PIPE TPA	-10	110	114	114	113	113	100	100	100	100	90 2/3	
EVRAZ Regina - 409651	AE-134D	CK543 210	MILL CONTROL	PIPE TWA	-10	102	96	75	91	55	55	50	53	FLZ	2/3	
EVRAZ Regina - 409651	AE-134D	CK544 210	MILL CONTROL	PIPE TWA	-10	53	43	48	48	15	15	20	17	FLZ	2/3	
EVRAZ Regina - 409652	AE-134D	CK483 201	MILL CONTROL	PIPE TPA	-10	220	150	140	170	100	100	100	100	90 2/3		
EVRAZ Regina - 409652	AE-134D	CK483 201	MILL CONTROL	PIPE TWA	-10	89	115	75	93	40	50	40	43	FLZ	2/3	
EVRAZ Regina - 409652	AE-134D	CK484 201	MILL CONTROL	PIPE TWA	-10	125	150	152	142	95	100	100	98	FLZ	2/3	
EVRAZ Regina - 409653	AE-134D	CK490 202	MILL CONTROL	PIPE TPA	-10	264	198	235	232	100	100	100	100	90 2/3		
EVRAZ Regina - 409653	AE-134D	CK490 202	MILL CONTROL	PIPE TWA	-10	126	117	112	118	45	50	50	48	FLZ	2/3	
EVRAZ Regina - 409653	AE-134D	CK491 202	MILL CONTROL	PIPE TWA	-10	177	127	148	151	85	50	50	62	FLZ	2/3	
EVRAZ Regina - 409653	AE-136A	CK900 240	MILL CONTROL	PIPE TPA	-10	218	186	185	196	100	100	100	100	90 2/3		
EVRAZ Regina - 409653	AE-136A	CK900 240	MILL CONTROL	PIPE TWA	-10	120	122	122	121	95	90	85	90	FLZ	2/3	
EVRAZ Regina - 409653	AE-136A	CK901 240	MILL CONTROL	PIPE TWA	-10	135	156	187	159	85	95	100	93	FLZ	2/3	
EVRAZ Regina - 409654	AE-136A	CL099 269	MILL CONTROL	PIPE TPA	-10	141	133	150	141	100	100	100	100	90 2/3		
EVRAZ Regina - 409654	AE-136A	CL099 269	MILL CONTROL	PIPE TWA	-10	87	98	63	83	40	45	30	38	FLZ	2/3	
EVRAZ Regina - 409654	AE-136A	CL100 269	MILL CONTROL	PIPE TWA	-10	62	91	104	86	40	100	80	73	FLZ	2/3	
EVRAZ Regina - 409655	AE-134D	CK612 220	MILL CONTROL	PIPE TPA	-10	270	264	266	267	100	100	100	100	90 2/3		
EVRAZ Regina - 409655	AE-134D	CK612 220	MILL CONTROL	PIPE TWA	-10	139	125	138	134	70	65	70	68	FLZ	2/3	
EVRAZ Regina - 409655	AE-134D	CK613 220	MILL CONTROL	PIPE TWA	-10	67	114	115	99	15	55	55	42	FLZ	2/3	
EVRAZ Regina - 409655	AE-134D	CK617 221	LOT QUALIFIER	PIPE TPA	-10	148	170	208	175	100	100	100	100	90 2/3		
EVRAZ Regina - 409655	AE-134D	CK617 221	LOT QUALIFIER	PIPE TWA	-10	131	94	129	118	95	70	95	87	FLZ	2/3	
EVRAZ Regina - 409655	AE-134D	CK619 221	LOT QUALIFIER	PIPE TWA	-10	98	132	45	92	65	75	15	52	FLZ	2/3	
EVRAZ Regina - 409663	AE-134D	CK538 209	MILL CONTROL	PIPE TPA	-10	165	176	157	166	100	100	100	100	90 2/3		
EVRAZ Regina - 409663	AE-134D	CK538 209	MILL CONTROL	PIPE TWA	-10	101	86	107	98	75	75	75	75	FLZ	2/3	
EVRAZ Regina - 409663	AE-134D	CK539 209	MILL CONTROL	PIPE TWA	-10	115	169	152	145	65	80	80	75	FLZ	2/3	
EVRAZ Regina - 409663	AE-136A	CL029 259	MILL CONTROL	PIPE TPA	-10	230	222	180	211	100	100	100	100	90 2/3		
EVRAZ Regina - 409663	AE-136A	CL029 259	MILL CONTROL	PIPE TWA	-10	150	141	180	157	100	95	100	98	FLZ	2/3	
EVRAZ Regina - 409663	AE-136A	CL030 259	MILL CONTROL	PIPE TWA	-10	111	119	149	126	85	80	90	85	FLZ	2/3	
EVRAZ Regina - 409664	AE-134D	CK534 208	MILL CONTROL	PIPE TPA	-10	190	174	192	185	100	100	100	100	90 2/3		
EVRAZ Regina - 409664	AE-134D	CK534 208	MILL CONTROL	PIPE TWA	-10	92	48	41	60	40	25	25	30	FLZ	2/3	
EVRAZ Regina - 409664	AE-134D	CK535 208	MILL CONTROL	PIPE TWA	-10	169	112	124	135	85	70	70	75	FLZ	2/3	
EVRAZ Regina - 409664	AE-136A	CL005 255	MILL CONTROL	PIPE TPA	-10	151	165	174	163	100	100	100	100	90 2/3		
EVRAZ Regina - 409664	AE-136A	CL005 255	MILL CONTROL	PIPE TWA	-10	80	67	105	84	25	25	35	28	FLZ	2/3	
EVRAZ Regina - 409664	AE-136A	CL006 255	MILL CONTROL	PIPE TWA	-10	70	134	83	96	45	50	45	47	FLZ	2/3	
EVRAZ Regina - 409665	AE-134D	CK573 214	MILL CONTROL	PIPE TPA	-10	179	138	149	155	100	100	100	100	90 2/3		
EVRAZ Regina - 409665	AE-134D	CK573 214	MILL CONTROL	PIPE TWA	-10	122	147	205	158	90	90	100	93	FLZ	2/3	
EVRAZ Regina - 409665	AE-134D	CK574 214	MILL CONTROL	PIPE TWA	-10	135	132	131	133	100	95	95	97	FLZ	2/3	
EVRAZ Regina - 409665	AE-136A	CL031 259	MILL CONTROL	PIPE TPA	-10	140	148	138	142	100	100	100	100	90 2/3		
EVRAZ Regina - 409665	AE-136A	CL031 259	MILL CONTROL	PIPE TWA	-10	40	97	69	69	30	35	30	32	FLZ	2/3	
EVRAZ Regina - 409665	AE-136A	CL031 259	MILL CONTROL	PIPE TWA	-10	59	85	58	67	30	35	35	33	FLZ	2/3	
EVRAZ Regina - 409666	AE-134D	CK620 221	MILL CONTROL	PIPE TPA	-10	146	208	215	190	100	100	100	100	90 2/3		
EVRAZ Regina - 409666	AE-134D	CK620 221	MILL CONTROL	PIPE TWA	-10	139	152	120	137	80	90	75	82	FLZ	2/3	
EVRAZ Regina - 409666	AE-134D	CK621 221	MILL CONTROL	PIPE TWA	-10	173	160	116	150	100	85	95	93	FLZ	2/3	
EVRAZ Regina - 409667	AE-134D	CK566 213	MILL CONTROL	PIPE TPA	-10	270	260	241	257	100	100	100	100	90 2/3		
EVRAZ Regina - 409667	AE-134D	CK566 213	MILL CONTROL	PIPE TWA	-10	104	160	137	134	60	75	75	70	FLZ	2/3	
EVRAZ Regina - 409667	AE-134D	CK567 213	MILL CONTROL	PIPE TWA	-10	147	171	161	160	75	95	95	88	FLZ	2/3	
EVRAZ Regina - 409667	AE-136A	CL083 267	MILL CONTROL	PIPE TPA	-10	211	203	152	189	100	100	100	100	90 2/3		
EVRAZ Regina - 409667	AE-136A	CL083 267	MILL CONTROL	PIPE TWA	-10	77	80	113	90	50	50	55	52	FLZ	2/3	
EVRAZ Regina - 409667	AE-136A	CL084 267	MILL CONTROL	PIPE TWA	-10	135	170	80	128	95	100	50	82	FLZ	2/3	
EVRAZ Regina - 409685	AE-136A	CK803 226	MILL CONTROL	PIPE TPA	-10	277	244	263	261	100	100	100	100	90 2/3		
EVRAZ Regina - 409685	AE-136A	CK803 226	MILL CONTROL	PIPE TWA	-10	169	137	143	150	100	70	70	80	FLZ	2/3	
EVRAZ Regina - 409685	AE-136A	CK804 226	MILL CONTROL	PIPE TWA	-10	175	133	152	153	85	70	70	75	FLZ	2/3	
EVRAZ Regina - 409686	AE-136A	CK893 239	MILL CONTROL	PIPE TPA	-10	183	179	170	177	100	100	100	100	90 2/3		
EVRAZ Regina - 409686	AE-136A	CK893 239	MILL CONTROL	PIPE TWA	-10	76	105	66	82	90	95	100	95	FLZ	2/3	
EVRAZ Regina - 409686	AE-136A	CK894 239	LOT QUALIFIER	PIPE TWA	-10	240	118	110	156	100	90	90	93	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409686	AE-136A	CL022 258	LOT QUALIFIER	PIPE TPA	-10	246	193	175	175	205	100	100	100	100	90 2/3	
EVRAZ Regina - 409686	AE-136A	CL022 258	LOT QUALIFIER	PIPE TWA	-10	44	64	108	72	72	20	20	40	27 FLZ	2/3	
EVRAZ Regina - 409686	AE-136A	CL022 258	LOT QUALIFIER	PIPE TWA	-10	150	124	87	120	120	80	75	50	68 FLZ	2/3	
EVRAZ Regina - 409687	AE-136A	CL067 264	MILL CONTROL	PIPE TPA	-10	152	143	175	157	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409687	AE-136A	CL067 264	MILL CONTROL	PIPE TWA	-10	48	63	51	54	20	20	25	20	22 FLZ	2/3	
EVRAZ Regina - 409687	AE-136A	CL068 264	MILL CONTROL	PIPE TWA	-10	64	114	128	102	45	45	75	55 FLZ	2/3		
EVRAZ Regina - 409688	AE-136A	CL091 268	MILL CONTROL	PIPE TPA	-10	152	158	151	154	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409688	AE-136A	CL091 268	MILL CONTROL	PIPE TWA	-10	73	145	93	104	40	95	50	62 FLZ	2/3		
EVRAZ Regina - 409688	AE-136A	CL092 268	MILL CONTROL	PIPE TWA	-10	93	90	87	90	50	65	55	57 FLZ	2/3		
EVRAZ Regina - 409688	AE-136A	CL097 269	LOT QUALIFIER	PIPE TWA	-10	30	35	38	34	20	20	20	20	20 FLZ	2/3	
EVRAZ Regina - 409688	AE-136A	CL098 269	LOT QUALIFIER	PIPE TPA	-10	183	152	171	169	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409688	AE-136A	CL098 269	LOT QUALIFIER	PIPE TWA	-10	158	110	87	118	100	50	50	67 FLZ	2/3		
EVRAZ Regina - 409714	AE-136A	CL077 266	MILL CONTROL	PIPE TPA	-10	175	160	184	173	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409714	AE-136A	CL077 266	MILL CONTROL	PIPE TWA	-10	126	139	127	131	50	50	50	50	50 FLZ	2/3	
EVRAZ Regina - 409714	AE-136A	CL078 266	MILL CONTROL	PIPE TWA	-10	131	158	143	144	75	75	75	75	75 FLZ	2/3	
EVRAZ Regina - 409715	AE-136A	CK874 236	MILL CONTROL	PIPE TPA	-10	162	180	145	162	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409715	AE-136A	CK874 236	MILL CONTROL	PIPE TWA	-10	132	125	138	132	85	60	85	77 FLZ	2/3		
EVRAZ Regina - 409715	AE-136A	CK888 238	MILL CONTROL	PIPE TWA	-10	120	105	49	91	100	70	40	70 FLZ	2/3		
EVRAZ Regina - 409716	AE-136A	CL061 263	MILL CONTROL	PIPE TPA	-10	244	277	217	246	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409716	AE-136A	CL061 263	MILL CONTROL	PIPE TWA	-10	106	81	73	87	75	30	30	45 FLZ	2/3		
EVRAZ Regina - 409716	AE-136A	CL062 264	MILL CONTROL	PIPE TWA	-10	74	92	118	95	35	45	60	47 FLZ	2/3		
EVRAZ Regina - 409717	AE-136A	CK822 229	MILL CONTROL	PIPE TPA	-10	113	99	105	106	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409717	AE-136A	CK822 229	MILL CONTROL	PIPE TWA	-10	89	85	74	83	25	25	25	25 FLZ	2/3		
EVRAZ Regina - 409717	AE-136A	CK823 229	MILL CONTROL	PIPE TWA	-10	34	31	37	34	10	10	10	10 FLZ	2/3		
EVRAZ Regina - 409717	AE-136A	CK881 237	LOT QUALIFIER	PIPE TWA	-10	73	81	75	76	90	90	90	90	90 FLZ	2/3	
EVRAZ Regina - 409717	AE-136A	CK881 238	LOT QUALIFIER	PIPE TPA	-10	94	91	97	94	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409717	AE-136A	CK881 238	LOT QUALIFIER	PIPE TWA	-10	38	35	36	36	90	95	90	92 FLZ	2/3		
EVRAZ Regina - 409718	AE-136A	CK962 249	MILL CONTROL	PIPE TPA	-10	175	135	138	149	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409718	AE-136A	CK962 249	MILL CONTROL	PIPE TWA	-10	82	97	122	100	45	45	45	45 FLZ	2/3		
EVRAZ Regina - 409718	AE-136A	CK963 249	MILL CONTROL	PIPE TWA	-10	95	74	77	82	30	30	30	30 FLZ	2/3		
EVRAZ Regina - 409746	AE-136A	CL032 259	MILL CONTROL	PIPE TPA	-10	130	131	138	133	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409746	AE-136A	CL032 259	MILL CONTROL	PIPE TWA	-10	72	85	77	78	40	45	55	47 FLZ	2/3		
EVRAZ Regina - 409746	AE-136A	CL033 259	MILL CONTROL	PIPE TWA	-10	45	54	38	46	40	40	30	37 FLZ	2/3		
EVRAZ Regina - 409747	AE-136A	CL105 270	MILL CONTROL	PIPE TPA	-10	132	130	135	132	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409747	AE-136A	CL105 270	MILL CONTROL	PIPE TWA	-10	97	77	119	98	50	45	95	63 FLZ	2/3		
EVRAZ Regina - 409747	AE-136A	CL106 270	MILL CONTROL	PIPE TWA	-10	63	68	45	59	40	40	30	37 FLZ	2/3		
EVRAZ Regina - 409748	AE-136A	CL042 261	MILL CONTROL	PIPE TPA	-10	145	143	133	140	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409748	AE-136A	CL042 261	MILL CONTROL	PIPE TWA	-10	86	103	109	99	60	60	60	60 FLZ	2/3		
EVRAZ Regina - 409748	AE-136A	CL043 261	MILL CONTROL	PIPE TWA	-10	85	92	111	96	45	50	50	48 FLZ	2/3		
EVRAZ Regina - 409748	AE-136A	CL052 262	LOT QUALIFIER	PIPE TPA	-10	131	139	144	138	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409748	AE-136A	CL052 262	LOT QUALIFIER	PIPE TWA	-10	95	94	80	90	55	50	60	55 FLZ	2/3		
EVRAZ Regina - 409748	AE-136A	CL052 262	LOT QUALIFIER	PIPE TWA	-10	78	65	56	66	50	60	50	53 FLZ	2/3		
EVRAZ Regina - 409749	AE-136A	CL113 271	MILL CONTROL	PIPE TPA	-10	168	175	166	170	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409749	AE-136A	CL113 271	MILL CONTROL	PIPE TWA	-10	124	119	93	112	65	65	50	60 FLZ	2/3		
EVRAZ Regina - 409749	AE-136A	CL114 271	MILL CONTROL	PIPE TWA	-10	107	69	83	86	70	25	35	43 FLZ	2/3		
EVRAZ Regina - 409750	AE-136A	CK913 242	MILL CONTROL	PIPE TPA	-10	144	122	165	144	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409750	AE-136A	CK913 242	MILL CONTROL	PIPE TWA	-10	119	101	95	105	100	100	90	97 FLZ	2/3		
EVRAZ Regina - 409750	AE-136A	CK914 242	MILL CONTROL	PIPE TWA	-10	60	87	113	87	70	75	90	78 FLZ	2/3		
EVRAZ Regina - 409832	AE-136A	CK865 235	MILL CONTROL	PIPE TPA	-10	167	206	153	175	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409832	AE-136A	CK865 235	MILL CONTROL	PIPE TWA	-10	106	111	145	121	45	45	75	55 FLZ	2/3		
EVRAZ Regina - 409832	AE-136A	CK866 235	MILL CONTROL	PIPE TWA	-10	121	157	152	143	65	100	100	88 FLZ	2/3		
EVRAZ Regina - 409833	AE-136A	CK949 247	MILL CONTROL	PIPE TPA	-10	163	161	141	155	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409833	AE-136A	CK949 247	MILL CONTROL	PIPE TWA	-10	89	82	110	94	45	45	60	50 FLZ	2/3		
EVRAZ Regina - 409833	AE-136A	CK950 247	MILL CONTROL	PIPE TWA	-10	122	125	111	119	90	95	95	93 FLZ	2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 409834	AE-136A	CK953 248	MILL CONTROL	PIPE TPA	-10	180	191	208	193	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409834	AE-136A	CK953 248	MILL CONTROL	PIPE TWA	-10	129	151	166	149	95	95	95	95	95 FLZ	2/3	
EVRAZ Regina - 409834	AE-136A	CK954 248	MILL CONTROL	PIPE TWA	-10	117	157	135	136	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 409835	AE-136A	CK944 246	MILL CONTROL	PIPE TPA	-10	155	166	143	155	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409835	AE-136A	CK944 246	MILL CONTROL	PIPE TWA	-10	122	125	110	119	95	95	95	95	95 FLZ	2/3	
EVRAZ Regina - 409835	AE-136A	CK945 247	MILL CONTROL	PIPE TWA	-10	79	111	108	99	40	50	50	50	47 FLZ	2/3	
EVRAZ Regina - 409836	AE-136A	CL125 273	MILL CONTROL	PIPE TPA	-10	130	158	150	146	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409836	AE-136A	CL125 273	MILL CONTROL	PIPE TWA	-10	65	51	58	58	25	25	25	25	25 FLZ	2/3	
EVRAZ Regina - 409836	AE-136A	CL126 273	MILL CONTROL	PIPE TWA	-10	123	131	110	121	80	85	70	78 FLZ	2/3		
EVRAZ Regina - 409837	AE-136A	CL131 274	MILL CONTROL	PIPE TPA	-10	139	138	150	142	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409837	AE-136A	CL131 274	MILL CONTROL	PIPE TWA	-10	55	63	82	67	40	40	40	40	40 FLZ	2/3	
EVRAZ Regina - 409837	AE-136A	CL132 274	MILL CONTROL	PIPE TWA	-10	77	60	50	62	30	25	25	27 FLZ	2/3		
EVRAZ Regina - 409838	AE-136A	CK815 228	MILL CONTROL	PIPE TPA	-10	145	182	153	160	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409838	AE-136A	CK815 228	MILL CONTROL	PIPE TWA	-10	113	135	124	124	60	100	75	78 FLZ	2/3		
EVRAZ Regina - 409838	AE-136A	CK816 228	MILL CONTROL	PIPE TWA	-10	136	111	110	119	100	60	60	73 FLZ	2/3		
EVRAZ Regina - 409839	AE-136A	CK957 248	MILL CONTROL	PIPE TPA	-10	131	138	140	136	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409839	AE-136A	CK957 248	MILL CONTROL	PIPE TWA	-10	108	94	97	100	45	45	45	45 FLZ	2/3		
EVRAZ Regina - 409839	AE-136A	CK958 248	MILL CONTROL	PIPE TWA	-10	120	136	170	142	95	90	95	93 FLZ	2/3		
EVRAZ Regina - 409894	AE-136A	CK996 254	MILL CONTROL	PIPE TPA	-10	254	200	235	230	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409894	AE-136A	CK996 254	MILL CONTROL	PIPE TWA	-10	120	92	110	107	80	40	70	63 FLZ	2/3		
EVRAZ Regina - 409894	AE-136A	CK997 254	MILL CONTROL	PIPE TWA	-10	125	83	143	117	70	40	80	63 FLZ	2/3		
EVRAZ Regina - 409894	AE-136A	CL003 255	LOT QUALIFIER	PIPE TWA	-10	72	93	102	89	25	40	40	35 FLZ	2/3		
EVRAZ Regina - 409894	AE-136A	CL004 255	LOT QUALIFIER	PIPE TPA	-10	193	192	198	194	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409894	AE-136A	CL004 255	LOT QUALIFIER	PIPE TWA	-10	91	112	126	110	45	45	50	47 FLZ	2/3		
EVRAZ Regina - 409895	AE-136A	CK990 253	MILL CONTROL	PIPE TPA	-10	186	208	173	189	100	100	100	100	100	90 2/3	
EVRAZ Regina - 409895	AE-136A	CK990 253	MILL CONTROL	PIPE TWA	-10	108	180	135	141	50	100	60	70 FLZ	2/3		
EVRAZ Regina - 409895	AE-136A	CK991 253	MILL CONTROL	PIPE TWA	-10	99	81	98	93	30	30	30	30 FLZ	2/3		
EVRAZ Regina - 528243	AE-134D	CJ486 633	MILL CONTROL	PIPE TPA	-10	191	145	165	167	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528243	AE-134D	CJ486 633	MILL CONTROL	PIPE TWA	-10	91	164	199	151	60	100	100	87 FLZ	2/3		
EVRAZ Regina - 528243	AE-134D	CJ487 634	MILL CONTROL	PIPE TWA	-10	71	135	89	98	30	70	60	53 FLZ	2/3		
EVRAZ Regina - 528244	AE-134D	CJ432 552	MILL CONTROL	PIPE TPA	-10	160	154	145	153	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528244	AE-134D	CJ432 552	MILL CONTROL	PIPE TWA	-10	113	95	87	98	70	70	75	72 FLZ	2/3		
EVRAZ Regina - 528244	AE-134D	CJ433 554	MILL CONTROL	PIPE TWA	-10	112	102	145	120	85	85	90	87 FLZ	2/3		
EVRAZ Regina - 528245	AE-134D	CJ592 790	MILL CONTROL	PIPE TPA	-10	139	162	143	148	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528245	AE-134D	CJ592 790	MILL CONTROL	PIPE TWA	-10	152	184	100	145	85	85	85	85 FLZ	2/3		
EVRAZ Regina - 528245	AE-134D	CJ593 791	MILL CONTROL	PIPE TWA	-10	125	94	208	142	100	80	100	93 FLZ	2/3		
EVRAZ Regina - 528246	AE-134D	CJ426 543	MILL CONTROL	PIPE TPA	-10	145	145	149	146	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528246	AE-134D	CJ426 543	MILL CONTROL	PIPE TWA	-10	133	110	93	112	80	80	80	80 FLZ	2/3		
EVRAZ Regina - 528246	AE-134D	CJ427 545	MILL CONTROL	PIPE TWA	-10	85	84	115	95	65	65	65	65 FLZ	2/3		
EVRAZ Regina - 528247	AE-134D	CJ472 612	MILL CONTROL	PIPE TPA	-10	245	207	154	202	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528247	AE-134D	CJ472 612	MILL CONTROL	PIPE TWA	-10	109	127	83	106	60	50	55	55 FLZ	2/3		
EVRAZ Regina - 528247	AE-134D	CJ473 613	MILL CONTROL	PIPE TWA	-10	24	83	117	75	15	55	65	45 FLZ	2/3		
EVRAZ Regina - 528276	AE-134D	CJ510 668	MILL CONTROL	PIPE TPA	-10	205	168	160	178	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528276	AE-134D	CJ510 668	MILL CONTROL	PIPE TWA	-10	85	119	88	97	30	85	50	55 FLZ	2/3		
EVRAZ Regina - 528276	AE-134D	CJ511 670	MILL CONTROL	PIPE TWA	-10	107	71	128	102	70	20	80	57 FLZ	2/3		
EVRAZ Regina - 528277	AE-134D	CJ445 572	MILL CONTROL	PIPE TPA	-10	195	269	268	244	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528277	AE-134D	CJ445 572	MILL CONTROL	PIPE TWA	-10	109	170	180	153	80	90	100	90 FLZ	2/3		
EVRAZ Regina - 528277	AE-134D	CJ446 573	MILL CONTROL	PIPE TWA	-10	210	243	240	231	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 528278	AE-134D	CJ484 630	MILL CONTROL	PIPE TPA	-10	265	262	252	260	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528278	AE-134D	CJ484 630	MILL CONTROL	PIPE TWA	-10	263	72	240	192	100	70	100	90 FLZ	2/3		
EVRAZ Regina - 528278	AE-134D	CJ485 631	MILL CONTROL	PIPE TWA	-10	99	141	106	115	65	95	90	83 FLZ	2/3		
EVRAZ Regina - 528279	AE-134D	CJ568 755	MILL CONTROL	PIPE TPA	-10	262	224	238	241	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528279	AE-134D	CJ568 755	MILL CONTROL	PIPE TWA	-10	117	232	135	161	95	100	100	98 FLZ	2/3		
EVRAZ Regina - 528279	AE-134D	CJ569 756	MILL CONTROL	PIPE TWA	-10	225	124	114	154	100	100	100	100 FLZ	2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528280	AE-134D	CJ413 526	MILL CONTROL	PIPE TPA	-10	251	158	247	219	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528280	AE-134D	CJ413 526	MILL CONTROL	PIPE TWA	-10	69	50	67	62	45	20	35	33	FLZ	2/3	
EVRAZ Regina - 528280	AE-134D	CJ414 527	MILL CONTROL	PIPE TWA	-10	78	92	21	64	50	45	10	35	FLZ	2/3	
EVRAZ Regina - 528317	AE-134D	CJ541 714	MILL CONTROL	PIPE TPA	-10	179	155	143	159	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528317	AE-134D	CJ541 714	MILL CONTROL	PIPE TWA	-10	72	180	67	106	60	100	50	70	FLZ	2/3	
EVRAZ Regina - 528317	AE-134D	CJ542 716	MILL CONTROL	PIPE TWA	-10	85	165	118	123	50	100	100	83	FLZ	2/3	
EVRAZ Regina - 528318	AE-134D	CJ504 659	MILL CONTROL	PIPE TPA	-10	252	271	236	253	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528318	AE-134D	CJ504 659	MILL CONTROL	PIPE TWA	-10	140	71	132	114	95	35	95	75	FLZ	2/3	
EVRAZ Regina - 528318	AE-134D	CJ505 661	MILL CONTROL	PIPE TWA	-10	66	90	123	93	25	50	95	57	FLZ	2/3	
EVRAZ Regina - 528319	AE-134D	CJ522 686	MILL CONTROL	PIPE TPA	-10	151	168	195	171	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528319	AE-134D	CJ522 686	MILL CONTROL	PIPE TWA	-10	87	38	81	69	60	60	25	48	FLZ	2/3	
EVRAZ Regina - 528319	AE-134D	CJ523 688	MILL CONTROL	PIPE TWA	-10	46	62	60	56	35	35	35	35	FLZ	2/3	
EVRAZ Regina - 528320	AE-134D	CJ563 747	MILL CONTROL	PIPE TPA	-10	145	175	187	169	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528320	AE-134D	CJ563 747	MILL CONTROL	PIPE TWA	-10	101	91	58	83	85	75	60	73	FLZ	2/3	
EVRAZ Regina - 528320	AE-134D	CJ564 749	MILL CONTROL	PIPE TWA	-10	111	83	79	91	85	70	70	75	FLZ	2/3	
EVRAZ Regina - 528321	AE-134D	CJ529 697	MILL CONTROL	PIPE TPA	-10	144	164	165	158	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528321	AE-134D	CJ529 697	MILL CONTROL	PIPE TWA	-10	120	101	98	106	80	80	75	78	FLZ	2/3	
EVRAZ Regina - 528321	AE-134D	CJ530 698	MILL CONTROL	PIPE TWA	-10	88	31	95	71	75	10	75	53	FLZ	2/3	
EVRAZ Regina - 528346	AE-134D	CJ661 889	MILL CONTROL	PIPE TPA	-10	139	130	140	136	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528346	AE-134D	CJ661 889	MILL CONTROL	PIPE TWA	-10	149	115	148	137	100	50	100	83	FLZ	2/3	
EVRAZ Regina - 528346	AE-134D	CJ662 891	MILL CONTROL	PIPE TWA	-10	53	98	71	74	25	40	40	35	FLZ	2/3	
EVRAZ Regina - 528347	AE-134D	CJ588 784	MILL CONTROL	PIPE TPA	-10	146	138	143	142	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528347	AE-134D	CJ588 784	MILL CONTROL	PIPE TWA	-10	81	71	111	88	55	30	60	48	FLZ	2/3	
EVRAZ Regina - 528347	AE-134D	CJ589 785	MILL CONTROL	PIPE TWA	-10	130	137	95	121	85	85	85	85	FLZ	2/3	
EVRAZ Regina - 528348	AE-134D	CJ606 810	MILL CONTROL	PIPE TPA	-10	140	155	220	172	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528348	AE-134D	CJ606 810	MILL CONTROL	PIPE TWA	-10	105	99	100	101	80	80	80	80	FLZ	2/3	
EVRAZ Regina - 528348	AE-134D	CJ607 812	MILL CONTROL	PIPE TWA	-10	82	94	57	78	70	70	65	68	FLZ	2/3	
EVRAZ Regina - 528349	AE-134D	CJ622 834	MILL CONTROL	PIPE TPA	-10	153	264	162	193	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528349	AE-134D	CJ622 834	MILL CONTROL	PIPE TWA	-10	91	131	224	149	75	90	100	88	FLZ	2/3	
EVRAZ Regina - 528349	AE-134D	CJ624 837	MILL CONTROL	PIPE TWA	-10	81	161	39	94	40	100	25	55	FLZ	2/3	
EVRAZ Regina - 528350	AE-134D	CJ535 705	MILL CONTROL	PIPE TPA	-10	151	212	163	175	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528350	AE-134D	CJ535 705	MILL CONTROL	PIPE TWA	-10	166	154	51	124	100	100	15	72	FLZ	2/3	
EVRAZ Regina - 528350	AE-134D	CJ536 707	MILL CONTROL	PIPE TWA	-10	135	138	126	133	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 528424	AE-134D	CJ739 100	MILL CONTROL	PIPE TPA	-10	249	208	177	211	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528424	AE-134D	CJ739 100	MILL CONTROL	PIPE TWA	-10	101	125	91	106	55	55	60	57	FLZ	2/3	
EVRAZ Regina - 528424	AE-134D	CJ740 100	MILL CONTROL	PIPE TWA	-10	111	125	97	111	55	75	60	63	FLZ	2/3	
EVRAZ Regina - 528424	AE-134D	CJ745 101	LOT QUALIFIER	PIPE TWA	-10	103	75	85	88	75	60	60	65	FLZ	2/3	
EVRAZ Regina - 528424	AE-134D	CJ746 101	LOT QUALIFIER	PIPE TPA	-10	141	143	149	144	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528424	AE-134D	CJ746 101	LOT QUALIFIER	PIPE TWA	-10	80	73	85	79	35	30	35	33	FLZ	2/3	
EVRAZ Regina - 528425	AE-134D	CJ620 831	MILL CONTROL	PIPE TPA	-10	223	262	270	252	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528425	AE-134D	CJ620 831	MILL CONTROL	PIPE TWA	-10	197	107	96	133	100	85	70	85	FLZ	2/3	
EVRAZ Regina - 528425	AE-134D	CJ621 832	MILL CONTROL	PIPE TWA	-10	102	107	87	99	75	75	70	73	FLZ	2/3	
EVRAZ Regina - 528425	AE-134D	CJ720 975	LOT QUALIFIER	PIPE TPA	-10	180	164	198	181	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528425	AE-134D	CJ720 975	LOT QUALIFIER	PIPE TWA	-10	165	157	88	137	100	100	20	73	FLZ	2/3	
EVRAZ Regina - 528425	AE-134D	CJ720 975	LOT QUALIFIER	PIPE TWA	-10	137	130	150	139	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 528426	AE-134D	CJ654 879	MILL CONTROL	PIPE TPA	-10	185	190	199	191	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528426	AE-134D	CJ654 879	MILL CONTROL	PIPE TWA	-10	110	121	90	107	50	50	35	45	FLZ	2/3	
EVRAZ Regina - 528426	AE-134D	CJ658 885	MILL CONTROL	PIPE TWA	-10	168	115	125	136	95	60	80	78	FLZ	2/3	
EVRAZ Regina - 528427	AE-134D	CJ628 843	MILL CONTROL	PIPE TPA	-10	140	151	190	160	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528427	AE-134D	CJ628 843	MILL CONTROL	PIPE TWA	-10	131	158	112	134	65	90	60	72	FLZ	2/3	
EVRAZ Regina - 528427	AE-134D	CJ629 844	MILL CONTROL	PIPE TWA	-10	129	29	121	93	55	20	55	43	FLZ	2/3	
EVRAZ Regina - 528457	AE-134D	CJ782 106	MILL CONTROL	PIPE TPA	-10	235	249	249	244	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528457	AE-134D	CJ782 106	MILL CONTROL	PIPE TWA	-10	157	162	172	164	70	75	75	73	FLZ	2/3	
EVRAZ Regina - 528457	AE-134D	CJ783 106	MILL CONTROL	PIPE TWA	-10	154	136	117	136	75	75	75	75	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528458	AE-134D	CJ753 102:	MILL CONTROL	PIPE TPA	-10	152	166	212	177	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528458	AE-134D	CJ753 102:	MILL CONTROL	PIPE TWA	-10	153	168	84	135	100	100	70	90	FLZ	2/3	
EVRAZ Regina - 528458	AE-134D	CJ754 102:	MILL CONTROL	PIPE TWA	-10	127	154	125	135	90	90	90	90	FLZ	2/3	
EVRAZ Regina - 528458	AE-134D	CJ759 103:	LOT QUALIFIER	PIPE TWA	-10	100	146	159	135	75	100	100	100	92 FLZ	2/3	
EVRAZ Regina - 528458	AE-134D	CJ760 103:	LOT QUALIFIER	PIPE TPA	-10	156	163	168	162	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528458	AE-134D	CJ760 103:	LOT QUALIFIER	PIPE TWA	-10	158	168	104	143	100	75	65	80	FLZ	2/3	
EVRAZ Regina - 528459	AE-134D	CJ761 103:	MILL CONTROL	PIPE TPA	-10	138	136	170	148	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528459	AE-134D	CJ761 103:	MILL CONTROL	PIPE TWA	-10	92	102	71	88	30	30	25	28	FLZ	2/3	
EVRAZ Regina - 528459	AE-134D	CJ762 103:	MILL CONTROL	PIPE TWA	-10	124	113	105	114	55	55	55	55	FLZ	2/3	
EVRAZ Regina - 528459	AE-134D	CJ767 104:	LOT QUALIFIER	PIPE TWA	-10	85	94	120	100	35	40	85	53	FLZ	2/3	
EVRAZ Regina - 528459	AE-134D	CJ768 104:	LOT QUALIFIER	PIPE TPA	-10	154	140	138	144	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528459	AE-134D	CJ768 104:	LOT QUALIFIER	PIPE TWA	-10	87	34	117	79	70	35	85	63	FLZ	2/3	
EVRAZ Regina - 528477	AE-134D	CJ691 932:	MILL CONTROL	PIPE TPA	-10	149	151	155	152	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528477	AE-134D	CJ691 932:	MILL CONTROL	PIPE TWA	-10	90	91	98	93	50	50	60	53	FLZ	2/3	
EVRAZ Regina - 528477	AE-134D	CJ692 933:	MILL CONTROL	PIPE TWA	-10	139	74	138	117	100	25	100	75	FLZ	2/3	
EVRAZ Regina - 528478	AE-134D	CJ806 110:	MILL CONTROL	PIPE TPA	-10	207	266	163	212	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528478	AE-134D	CJ806 110:	MILL CONTROL	PIPE TWA	-10	64	60	85	70	25	25	25	25	FLZ	2/3	
EVRAZ Regina - 528478	AE-134D	CJ807 110:	MILL CONTROL	PIPE TWA	-10	95	67	116	93	30	30	45	35	FLZ	2/3	
EVRAZ Regina - 528479	AE-134D	CJ700 945:	MILL CONTROL	PIPE TPA	-10	140	140	150	143	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528479	AE-134D	CJ700 945:	MILL CONTROL	PIPE TWA	-10	125	171	119	138	90	90	90	90	FLZ	2/3	
EVRAZ Regina - 528479	AE-134D	CJ701 946:	MILL CONTROL	PIPE TWA	-10	170	121	113	135	95	95	95	95	FLZ	2/3	
EVRAZ Regina - 528480	AE-134D	CJ670 902:	MILL CONTROL	PIPE TPA	-10	182	202	135	173	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528480	AE-134D	CJ670 902:	MILL CONTROL	PIPE TWA	-10	106	96	109	104	85	85	85	85	FLZ	2/3	
EVRAZ Regina - 528480	AE-134D	CJ671 904:	MILL CONTROL	PIPE TWA	-10	118	118	114	117	85	85	80	83	FLZ	2/3	
EVRAZ Regina - 528481	AE-134D	CJ684 921:	MILL CONTROL	PIPE TPA	-10	193	279	190	221	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528481	AE-134D	CJ684 921:	MILL CONTROL	PIPE TWA	-10	162	208	136	169	100	100	100	100	FLZ	2/3	
EVRAZ Regina - 528481	AE-134D	CJ685 923:	MILL CONTROL	PIPE TWA	-10	205	113	206	175	100	75	100	92	FLZ	2/3	
EVRAZ Regina - 528481	AE-134D	CJ897 123:	LOT QUALIFIER	PIPE TWA	-10	144	113	156	138	90	65	100	85	FLZ	2/3	
EVRAZ Regina - 528481	AE-134D	CJ898 123:	LOT QUALIFIER	PIPE TPA	-10	192	142	146	160	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528481	AE-134D	CJ898 123:	LOT QUALIFIER	PIPE TWA	-10	122	130	95	116	50	55	45	50	FLZ	2/3	
EVRAZ Regina - 528482	AE-134D	CJ689 929:	MILL CONTROL	PIPE TPA	-10	254	266	252	257	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528482	AE-134D	CJ689 929:	MILL CONTROL	PIPE TWA	-10	132	126	92	117	85	85	35	68	FLZ	2/3	
EVRAZ Regina - 528482	AE-134D	CJ690 930:	MILL CONTROL	PIPE TWA	-10	117	132	128	126	80	85	85	83	FLZ	2/3	
EVRAZ Regina - 528483	AE-134D	CJ687 926:	MILL CONTROL	PIPE TPA	-10	140	152	158	150	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528483	AE-134D	CJ687 926:	MILL CONTROL	PIPE TWA	-10	146	103	130	126	100	65	85	83	FLZ	2/3	
EVRAZ Regina - 528483	AE-134D	CJ688 927:	MILL CONTROL	PIPE TWA	-10	34	166	52	84	20	100	25	48	FLZ	2/3	
EVRAZ Regina - 528483	AE-134D	CJ915 126:	LOT QUALIFIER	PIPE TWA	-10	86	66	77	76	35	25	35	32	FLZ	2/3	
EVRAZ Regina - 528483	AE-134D	CJ916 126:	LOT QUALIFIER	PIPE TPA	-10	161	173	171	168	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528483	AE-134D	CJ916 126:	LOT QUALIFIER	PIPE TWA	-10	87	117	137	114	35	60	80	58	FLZ	2/3	
EVRAZ Regina - 528533	AE-134D	CJ811 110:	MILL CONTROL	PIPE TPA	-10	147	148	159	151	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528533	AE-134D	CJ811 110:	MILL CONTROL	PIPE TWA	-10	54	74	35	54	20	20	20	20	FLZ	2/3	
EVRAZ Regina - 528533	AE-134D	CJ812 111:	MILL CONTROL	PIPE TWA	-10	83	68	84	78	30	25	25	27	FLZ	2/3	
EVRAZ Regina - 528534	AE-134D	CJ828 113:	MILL CONTROL	PIPE TPA	-10	191	177	148	172	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528534	AE-134D	CJ828 113:	MILL CONTROL	PIPE TWA	-10	39	111	117	89	15	70	70	52	FLZ	2/3	
EVRAZ Regina - 528534	AE-134D	CJ829 113:	MILL CONTROL	PIPE TWA	-10	60	50	58	56	15	20	20	18	FLZ	2/3	
EVRAZ Regina - 528535	AE-134D	CJ873 119:	MILL CONTROL	PIPE TPA	-10	192	170	160	174	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528535	AE-134D	CJ873 119:	MILL CONTROL	PIPE TWA	-10	87	65	82	78	35	25	35	32	FLZ	2/3	
EVRAZ Regina - 528535	AE-134D	CJ874 120:	MILL CONTROL	PIPE TWA	-10	43	135	71	83	20	90	35	48	FLZ	2/3	
EVRAZ Regina - 528535	AE-134D	CK177 155	LOT QUALIFIER	PIPE TWA	-10	141	115	127	128	100	80	90	90	FLZ	2/3	
EVRAZ Regina - 528535	AE-134D	CK178 156	LOT QUALIFIER	PIPE TPA	-10	177	275	165	206	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528535	AE-134D	CK178 156	LOT QUALIFIER	PIPE TWA	-10	130	176	123	143	100	100	75	92	FLZ	2/3	
EVRAZ Regina - 528539	AE-134D	CJ858 117:	MILL CONTROL	PIPE TPA	-10	170	152	275	199	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528539	AE-134D	CJ858 117:	MILL CONTROL	PIPE TWA	-10	111	156	92	120	55	90	50	65	FLZ	2/3	
EVRAZ Regina - 528539	AE-134D	CJ859 117:	MILL CONTROL	PIPE TWA	-10	159	153	123	145	90	95	60	82	FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528539	AE-134D	CJ864 118	LOT QUALIFIER	PIPE TWA	-10	178	121	160	153	95	65	95	85 FLZ	2/3		
EVRAZ Regina - 528539	AE-134D	CJ865 118	LOT QUALIFIER	PIPE TPA	-10	152	276	264	231	100	100	100	100	90 2/3		
EVRAZ Regina - 528539	AE-134D	CJ865 118	LOT QUALIFIER	PIPE TWA	-10	191	78	115	128	95	50	70	72 FLZ	2/3		
EVRAZ Regina - 528540	AE-134D	CJ926 127	MILL CONTROL	PIPE TPA	-10	258	158	235	217	100	100	100	100	90 2/3		
EVRAZ Regina - 528540	AE-134D	CJ926 127	MILL CONTROL	PIPE TWA	-10	111	119	117	116	55	55	55	55 FLZ	2/3		
EVRAZ Regina - 528540	AE-134D	CJ927 128	MILL CONTROL	PIPE TWA	-10	105	99	150	118	45	40	50	45 FLZ	2/3		
EVRAZ Regina - 528540	AE-134D	CK161 153	LOT QUALIFIER	PIPE TWA	-10	268	185	220	224	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 528540	AE-134D	CK162 153	LOT QUALIFIER	PIPE TPA	-10	156	158	158	157	100	100	100	100	90 2/3		
EVRAZ Regina - 528540	AE-134D	CK162 153	LOT QUALIFIER	PIPE TWA	-10	135	125	122	127	80	70	70	73 FLZ	2/3		
EVRAZ Regina - 528541	AE-134D	CJ899 123	MILL CONTROL	PIPE TPA	-10	152	160	170	161	100	100	100	100	90 2/3		
EVRAZ Regina - 528541	AE-134D	CJ899 123	MILL CONTROL	PIPE TWA	-10	117	140	122	126	60	95	85	80 FLZ	2/3		
EVRAZ Regina - 528541	AE-134D	CJ902 124	MILL CONTROL	PIPE TWA	-10	91	93	115	100	30	35	65	43 FLZ	2/3		
EVRAZ Regina - 528542	AE-134D	CJ934 129	MILL CONTROL	PIPE TPA	-10	115	122	116	118	100	100	100	100	90 2/3		
EVRAZ Regina - 528542	AE-134D	CJ934 129	MILL CONTROL	PIPE TWA	-10	95	44	84	74	15	10	15	13 FLZ	2/3		
EVRAZ Regina - 528542	AE-134D	CJ935 129	MILL CONTROL	PIPE TWA	-10	61	25	28	38	10	10	10	10 FLZ	2/3		
EVRAZ Regina - 528543	AE-134D	CJ751 102	MILL CONTROL	PIPE TPA	-10	170	181	170	174	100	100	100	100	90 2/3		
EVRAZ Regina - 528543	AE-134D	CJ751 102	MILL CONTROL	PIPE TWA	-10	88	87	63	79	70	70	65	68 FLZ	2/3		
EVRAZ Regina - 528543	AE-134D	CJ752 102	MILL CONTROL	PIPE TWA	-10	40	25	50	38	10	10	15	12 FLZ	2/3		
EVRAZ Regina - 528544	AE-134D	CJ905 124	MILL CONTROL	PIPE TPA	-10	134	132	132	133	100	100	100	100	90 2/3		
EVRAZ Regina - 528544	AE-134D	CJ905 124	MILL CONTROL	PIPE TWA	-10	85	87	83	85	35	35	30	33 FLZ	2/3		
EVRAZ Regina - 528544	AE-134D	CJ906 124	MILL CONTROL	PIPE TWA	-10	93	137	117	116	35	40	40	38 FLZ	2/3		
EVRAZ Regina - 528544	AE-134D	CJ911 125	LOT QUALIFIER	PIPE TWA	-10	54	53	52	53	25	25	25	25 FLZ	2/3		
EVRAZ Regina - 528544	AE-134D	CJ912 125	LOT QUALIFIER	PIPE TPA	-10	138	165	142	148	100	100	100	100	90 2/3		
EVRAZ Regina - 528544	AE-134D	CJ912 125	LOT QUALIFIER	PIPE TWA	-10	107	112	86	102	45	40	35	40 FLZ	2/3		
EVRAZ Regina - 528545	AE-134D	CJ851 116	MILL CONTROL	PIPE TPA	-10	164	167	172	168	100	100	100	100	90 2/3		
EVRAZ Regina - 528545	AE-134D	CJ851 116	MILL CONTROL	PIPE TWA	-10	87	119	108	105	25	30	25	27 FLZ	2/3		
EVRAZ Regina - 528545	AE-134D	CJ852 116	MILL CONTROL	PIPE TWA	-10	142	125	120	129	60	50	45	52 FLZ	2/3		
EVRAZ Regina - 528592	AE-134D	CK245 165	MILL CONTROL	PIPE TPA	-10	140	142	135	139	100	100	100	100	90 2/3		
EVRAZ Regina - 528592	AE-134D	CK245 165	MILL CONTROL	PIPE TWA	-10	145	150	158	151	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 528592	AE-134D	CK246 166	MILL CONTROL	PIPE TWA	-10	149	190	119	153	100	100	100	100 FLZ	2/3		
EVRAZ Regina - 528593	AE-134D	CJ921 127	MILL CONTROL	PIPE TPA	-10	190	196	173	186	100	100	100	100	90 2/3		
EVRAZ Regina - 528593	AE-134D	CJ921 127	MILL CONTROL	PIPE TWA	-10	119	118	99	112	50	50	45	48 FLZ	2/3		
EVRAZ Regina - 528593	AE-134D	CJ922 127	MILL CONTROL	PIPE TWA	-10	110	141	135	129	50	65	65	60 FLZ	2/3		
EVRAZ Regina - 528594	AE-134D	CK317 176	MILL CONTROL	PIPE TPA	-10	148	146	180	158	100	100	100	100	90 2/3		
EVRAZ Regina - 528594	AE-134D	CK317 176	MILL CONTROL	PIPE TWA	-10	102	112	121	112	60	60	60	60 FLZ	2/3		
EVRAZ Regina - 528594	AE-134D	CK345 180	MILL CONTROL	PIPE TWA	-10	133	163	105	134	80	85	60	75 FLZ	2/3		
EVRAZ Regina - 528595	AE-134D	CK051 137	MILL CONTROL	PIPE TPA	-10	275	278	279	277	100	100	100	100	90 2/3		
EVRAZ Regina - 528595	AE-134D	CK051 137	MILL CONTROL	PIPE TWA	-10	120	155	131	135	75	100	80	85 FLZ	2/3		
EVRAZ Regina - 528595	AE-134D	CK052 137	MILL CONTROL	PIPE TWA	-10	99	158	144	134	65	100	100	88 FLZ	2/3		
EVRAZ Regina - 528595	AE-134D	CK169 154	LOT QUALIFIER	PIPE TWA	-10	109	124	107	113	80	80	80	80 FLZ	2/3		
EVRAZ Regina - 528595	AE-134D	CK170 154	LOT QUALIFIER	PIPE TPA	-10	230	248	200	226	100	100	100	100	90 2/3		
EVRAZ Regina - 528595	AE-134D	CK170 154	LOT QUALIFIER	PIPE TWA	-10	120	128	115	121	80	95	75	83 FLZ	2/3		
EVRAZ Regina - 528596	AE-134D	CK269 169	MILL CONTROL	PIPE TPA	-10	149	145	140	145	100	100	100	100	90 2/3		
EVRAZ Regina - 528596	AE-134D	CK269 169	MILL CONTROL	PIPE TWA	-10	130	142	110	127	90	100	80	90 FLZ	2/3		
EVRAZ Regina - 528596	AE-134D	CK270 169	MILL CONTROL	PIPE TWA	-10	130	105	111	115	100	85	95	93 FLZ	2/3		
EVRAZ Regina - 528597	AE-134D	CK101 144	MILL CONTROL	PIPE TPA	-10	162	135	148	148	100	100	100	100	90 2/3		
EVRAZ Regina - 528597	AE-134D	CK101 144	MILL CONTROL	PIPE TWA	-10	108	101	117	109	40	35	40	38 FLZ	2/3		
EVRAZ Regina - 528597	AE-134D	CK102 144	MILL CONTROL	PIPE TWA	-10	128	83	123	111	50	45	50	48 FLZ	2/3		
EVRAZ Regina - 528632	AE-134D	CK125 148	MILL CONTROL	PIPE TPA	-10	150	150	158	153	100	100	100	100	90 2/3		
EVRAZ Regina - 528632	AE-134D	CK125 148	MILL CONTROL	PIPE TWA	-10	124	118	106	116	80	90	90	87 FLZ	2/3		
EVRAZ Regina - 528632	AE-134D	CK126 148	MILL CONTROL	PIPE TWA	-10	124	47	110	94	95	35	85	72 FLZ	2/3		
EVRAZ Regina - 528632	AE-134D	CK130 148	LOT QUALIFIER	PIPE TPA	-10	194	230	160	195	100	100	100	100	90 2/3		
EVRAZ Regina - 528632	AE-134D	CK130 148	LOT QUALIFIER	PIPE TWA	-10	134	122	116	124	95	90	90	92 FLZ	2/3		
EVRAZ Regina - 528632	AE-134D	CK131 148	LOT QUALIFIER	PIPE TWA	-10	108	130	115	118	85	100	90	92 FLZ	2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528633	AE-134D	CK133 149	MILL CONTROL	PIPE TPA	-10	136	128	140	135	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528633	AE-134D	CK133 149	MILL CONTROL	PIPE TWA	-10	93	126	126	115	75	95	85	85	85 FLZ	2/3	
EVRAZ Regina - 528633	AE-134D	CK134 149	MILL CONTROL	PIPE TWA	-10	132	142	140	138	90	95	90	90	92 FLZ	2/3	
EVRAZ Regina - 528634	AE-134D	CK045 136	MILL CONTROL	PIPE TPA	-10	140	131	142	138	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528634	AE-134D	CK045 136	MILL CONTROL	PIPE TWA	-10	68	103	115	95	25	55	60	47	47 FLZ	2/3	
EVRAZ Regina - 528634	AE-134D	CK046 136	MILL CONTROL	PIPE TWA	-10	183	117	118	139	100	90	90	90	93 FLZ	2/3	
EVRAZ Regina - 528635	AE-134D	CK065 139	MILL CONTROL	PIPE TPA	-10	230	173	179	194	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528635	AE-134D	CK065 139	MILL CONTROL	PIPE TWA	-10	121	113	115	116	90	90	90	90	90 FLZ	2/3	
EVRAZ Regina - 528635	AE-134D	CK066 139	MILL CONTROL	PIPE TWA	-10	115	87	90	97	90	85	85	85	87 FLZ	2/3	
EVRAZ Regina - 528635	AE-134D	CK603 219	LOT QUALIFIER	PIPE TPA	-10	246	250	229	242	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528635	AE-134D	CK603 219	LOT QUALIFIER	PIPE TWA	-10	153	157	153	154	45	45	45	45	45 FLZ	2/3	
EVRAZ Regina - 528635	AE-134D	CK603 219	LOT QUALIFIER	PIPE TWA	-10	69	132	111	104	15	40	35	30	30 FLZ	2/3	
EVRAZ Regina - 528636	AE-134D	CK183 156	MILL CONTROL	PIPE TPA	-10	130	140	142	137	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528636	AE-134D	CK183 156	MILL CONTROL	PIPE TWA	-10	128	110	123	120	95	90	90	90	92 FLZ	2/3	
EVRAZ Regina - 528636	AE-134D	CK184 156	MILL CONTROL	PIPE TWA	-10	88	158	117	121	50	95	80	75	75 FLZ	2/3	
EVRAZ Regina - 528637	AE-134D	CK249 166	MILL CONTROL	PIPE TPA	-10	255	272	221	249	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528637	AE-134D	CK249 166	MILL CONTROL	PIPE TWA	-10	149	125	115	130	100	100	90	97	97 FLZ	2/3	
EVRAZ Regina - 528637	AE-134D	CK250 166	MILL CONTROL	PIPE TWA	-10	159	139	142	147	95	95	100	97	97 FLZ	2/3	
EVRAZ Regina - 528638	AE-134D	CK139 150	MILL CONTROL	PIPE TPA	-10	250	246	266	254	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528638	AE-134D	CK139 150	MILL CONTROL	PIPE TWA	-10	228	254	130	204	100	100	80	93	93 FLZ	2/3	
EVRAZ Regina - 528638	AE-134D	CK140 150	MILL CONTROL	PIPE TWA	-10	172	160	132	155	100	100	80	93	93 FLZ	2/3	
EVRAZ Regina - 528639	AE-134D	CK275 170	MILL CONTROL	PIPE TPA	-10	187	158	199	181	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528639	AE-134D	CK275 170	MILL CONTROL	PIPE TWA	-10	128	118	120	122	90	90	85	88	88 FLZ	2/3	
EVRAZ Regina - 528639	AE-134D	CK276 170	MILL CONTROL	PIPE TWA	-10	130	91	149	123	90	80	100	90	90 FLZ	2/3	
EVRAZ Regina - 528679	AE-134D	CK338 179	MILL CONTROL	PIPE TPA	-10	156	158	149	154	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528679	AE-134D	CK338 179	MILL CONTROL	PIPE TWA	-10	87	145	117	116	60	100	75	78	78 FLZ	2/3	
EVRAZ Regina - 528679	AE-134D	CK339 179	MILL CONTROL	PIPE TWA	-10	63	105	87	85	25	40	25	30	30 FLZ	2/3	
EVRAZ Regina - 528680	AE-134D	CK223 162	MILL CONTROL	PIPE TPA	-10	129	138	129	132	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528680	AE-134D	CK223 162	MILL CONTROL	PIPE TWA	-10	103	40	42	62	100	30	30	53	53 FLZ	2/3	
EVRAZ Regina - 528680	AE-134D	CK224 162	MILL CONTROL	PIPE TWA	-10	77	115	83	92	50	100	50	67	67 FLZ	2/3	
EVRAZ Regina - 528680	AE-134D	CK228 163	LOT QUALIFIER	PIPE TPA	-10	130	144	120	131	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528680	AE-134D	CK228 163	LOT QUALIFIER	PIPE TWA	-10	145	189	142	159	90	100	85	92	92 FLZ	2/3	
EVRAZ Regina - 528680	AE-134D	CK230 163	LOT QUALIFIER	PIPE TWA	-10	27	28	40	32	5	10	15	10	10 FLZ	2/3	
EVRAZ Regina - 528681	AE-134D	CK285 171	MILL CONTROL	PIPE TPA	-10	141	139	159	146	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528681	AE-134D	CK285 171	MILL CONTROL	PIPE TWA	-10	40	42	42	41	15	15	15	15	15 FLZ	2/3	
EVRAZ Regina - 528681	AE-134D	CK286 171	MILL CONTROL	PIPE TWA	-10	122	129	75	109	95	95	60	83	83 FLZ	2/3	
EVRAZ Regina - 528681	AE-134D	CK291 172	LOT QUALIFIER	PIPE TWA	-10	108	130	145	128	40	90	100	77	77 FLZ	2/3	
EVRAZ Regina - 528681	AE-134D	CK455 196	LOT QUALIFIER	PIPE TPA	-10	168	148	141	152	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528681	AE-134D	CK455 196	LOT QUALIFIER	PIPE TWA	-10	64	90	57	70	35	45	35	38	38 FLZ	2/3	
EVRAZ Regina - 528682	AE-134D	CK301 174	MILL CONTROL	PIPE TPA	-10	155	139	149	148	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528682	AE-134D	CK301 174	MILL CONTROL	PIPE TWA	-10	100	125	112	112	75	95	80	83	83 FLZ	2/3	
EVRAZ Regina - 528682	AE-134D	CK302 174	MILL CONTROL	PIPE TWA	-10	159	125	165	150	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528682	AE-136A	CK869 236	MILL CONTROL	PIPE TPA	-10	149	169	150	156	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528682	AE-136A	CK869 236	MILL CONTROL	PIPE TWA	-10	127	122	105	118	90	65	65	73	73 FLZ	2/3	
EVRAZ Regina - 528682	AE-136A	CK869 236	MILL CONTROL	PIPE TWA	-10	153	167	153	158	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528683	AE-134D	CK189 157	MILL CONTROL	PIPE TPA	-10	266	234	166	222	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528683	AE-134D	CK189 157	MILL CONTROL	PIPE TWA	-10	136	182	120	146	95	100	95	97	97 FLZ	2/3	
EVRAZ Regina - 528683	AE-134D	CK190 157	MILL CONTROL	PIPE TWA	-10	136	156	144	145	95	95	95	95	95 FLZ	2/3	
EVRAZ Regina - 528725	AE-134D	CK297 173	MILL CONTROL	PIPE TPA	-10	202	138	141	160	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528725	AE-134D	CK297 173	MILL CONTROL	PIPE TWA	-10	161	155	208	175	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528725	AE-134D	CK298 173	MILL CONTROL	PIPE TWA	-10	171	149	125	148	100	100	90	97	97 FLZ	2/3	
EVRAZ Regina - 528726	AE-134D	CK195 158	MILL CONTROL	PIPE TPA	-10	240	160	260	220	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528726	AE-134D	CK195 158	MILL CONTROL	PIPE TWA	-10	182	242	206	210	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528726	AE-134D	CK197 158	MILL CONTROL	PIPE TWA	-10	184	162	188	178	100	100	100	100	100	90 2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528726	AE-134D	CK200 159	LOT QUALIFIER	PIPE TWA	-10	175	159	177	170	170	80	70	80	77 FLZ	2/3	
EVRAZ Regina - 528726	AE-134D	CK335 179	LOT QUALIFIER	PIPE TPA	-10	165	143	171	160	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528726	AE-134D	CK335 179	LOT QUALIFIER	PIPE TWA	-10	176	154	181	170	90	85	90	90	88 FLZ	2/3	
EVRAZ Regina - 528727	AE-134D	CK340 179	MILL CONTROL	PIPE TPA	-10	272	268	271	270	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528727	AE-134D	CK340 179	MILL CONTROL	PIPE TWA	-10	263	164	165	197	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 528727	AE-134D	CK341 180	MILL CONTROL	PIPE TWA	-10	257	84	112	151	100	35	40	40	58 FLZ	2/3	
EVRAZ Regina - 528727	AE-134D	CK370 184	LOT QUALIFIER	PIPE TPA	-10	239	252	219	237	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528727	AE-134D	CK370 184	LOT QUALIFIER	PIPE TWA	-10	175	120	158	151	100	95	90	90	95 FLZ	2/3	
EVRAZ Regina - 528727	AE-134D	CK371 184	LOT QUALIFIER	PIPE TWA	-10	158	128	167	151	95	95	100	100	97 FLZ	2/3	
EVRAZ Regina - 528728	AE-134D	CK255 167	MILL CONTROL	PIPE TPA	-10	198	171	173	181	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528728	AE-134D	CK255 167	MILL CONTROL	PIPE TWA	-10	105	102	115	107	80	80	80	80	80 FLZ	2/3	
EVRAZ Regina - 528728	AE-134D	CK256 167	MILL CONTROL	PIPE TWA	-10	98	119	138	118	80	80	100	100	87 FLZ	2/3	
EVRAZ Regina - 528728	AE-134D	CK260 168	LOT QUALIFIER	PIPE TPA	-10	149	145	210	168	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528728	AE-134D	CK260 168	LOT QUALIFIER	PIPE TWA	-10	89	140	132	120	60	100	95	95	85 FLZ	2/3	
EVRAZ Regina - 528728	AE-134D	CK261 168	LOT QUALIFIER	PIPE TWA	-10	111	145	125	127	90	100	95	95	95 FLZ	2/3	
EVRAZ Regina - 528729	AE-134D	CK281 171	MILL CONTROL	PIPE TPA	-10	188	160	171	173	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528729	AE-134D	CK281 171	MILL CONTROL	PIPE TWA	-10	85	64	70	73	50	45	45	45	47 FLZ	2/3	
EVRAZ Regina - 528729	AE-134D	CK282 171	MILL CONTROL	PIPE TWA	-10	49	80	65	65	20	35	30	30	28 FLZ	2/3	
EVRAZ Regina - 528768	AE-134D	CK487 201	MILL CONTROL	PIPE TPA	-10	159	236	161	185	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528768	AE-134D	CK487 201	MILL CONTROL	PIPE TWA	-10	181	195	208	195	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 528768	AE-134D	CK488 201	MILL CONTROL	PIPE TWA	-10	120	156	151	142	90	100	100	100	97 FLZ	2/3	
EVRAZ Regina - 528768	AE-134D	CK531 208	LOT QUALIFIER	PIPE TWA	-10	107	112	113	111	75	75	75	75	75 FLZ	2/3	
EVRAZ Regina - 528768	AE-134D	CK532 208	LOT QUALIFIER	PIPE TPA	-10	168	175	168	170	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528768	AE-134D	CK532 208	LOT QUALIFIER	PIPE TWA	-10	122	122	62	102	80	80	35	35	65 FLZ	2/3	
EVRAZ Regina - 528769	AE-134D	CK586 216	MILL CONTROL	PIPE TPA	-10	158	155	138	150	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528769	AE-134D	CK586 216	MILL CONTROL	PIPE TWA	-10	159	116	105	127	95	40	40	40	58 FLZ	2/3	
EVRAZ Regina - 528769	AE-134D	CK587 216	MILL CONTROL	PIPE TWA	-10	235	227	188	217	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 528772	AE-134D	CK404 189	MILL CONTROL	PIPE TPA	-10	157	157	239	184	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528772	AE-134D	CK404 189	MILL CONTROL	PIPE TWA	-10	155	178	138	157	95	100	95	95	97 FLZ	2/3	
EVRAZ Regina - 528772	AE-134D	CK405 189	MILL CONTROL	PIPE TWA	-10	140	110	111	120	95	80	80	80	85 FLZ	2/3	
EVRAZ Regina - 528772	AE-134D	CK409 190	LOT QUALIFIER	PIPE TWA	-10	145	125	173	148	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 528772	AE-134D	CK410 190	LOT QUALIFIER	PIPE TPA	-10	159	277	267	234	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528772	AE-134D	CK410 190	LOT QUALIFIER	PIPE TWA	-10	209	160	208	192	100	100	100	100	100 FLZ	2/3	
EVRAZ Regina - 528773	AE-134D	CK394 187	MILL CONTROL	PIPE TPA	-10	165	145	165	158	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528773	AE-134D	CK394 187	MILL CONTROL	PIPE TWA	-10	87	95	93	92	30	35	35	35	33 FLZ	2/3	
EVRAZ Regina - 528773	AE-134D	CK395 188	MILL CONTROL	PIPE TWA	-10	105	101	115	107	60	60	60	60	60 FLZ	2/3	
EVRAZ Regina - 528773	AE-134D	CK571 214	LOT QUALIFIER	PIPE TWA	-10	89	74	92	85	15	15	20	20	17 FLZ	2/3	
EVRAZ Regina - 528773	AE-134D	CK572 214	LOT QUALIFIER	PIPE TPA	-10	149	181	189	173	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528773	AE-134D	CK572 214	LOT QUALIFIER	PIPE TWA	-10	121	103	110	111	30	25	30	30	28 FLZ	2/3	
EVRAZ Regina - 528807	AE-134D	CK503 204	MILL CONTROL	PIPE TPA	-10	255	179	167	200	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528807	AE-134D	CK503 204	MILL CONTROL	PIPE TWA	-10	60	59	48	56	15	15	15	15	15 FLZ	2/3	
EVRAZ Regina - 528807	AE-134D	CK504 204	MILL CONTROL	PIPE TWA	-10	205	101	96	134	100	85	70	70	85 FLZ	2/3	
EVRAZ Regina - 528808	AE-134D	CK427 192	MILL CONTROL	PIPE TPA	-10	150	145	173	156	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528808	AE-134D	CK427 192	MILL CONTROL	PIPE TWA	-10	87	120	105	104	40	80	70	70	63 FLZ	2/3	
EVRAZ Regina - 528808	AE-134D	CK428 192	MILL CONTROL	PIPE TWA	-10	119	128	53	100	80	95	30	30	68 FLZ	2/3	
EVRAZ Regina - 528808	AE-134D	CK430 193	LOT QUALIFIER	PIPE TWA	-10	115	110	170	132	75	75	100	100	83 FLZ	2/3	
EVRAZ Regina - 528808	AE-134D	CK440 194	LOT QUALIFIER	PIPE TPA	-10	117	135	130	127	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528808	AE-134D	CK440 194	LOT QUALIFIER	PIPE TWA	-10	60	103	116	93	40	50	90	90	60 FLZ	2/3	
EVRAZ Regina - 528809	AE-134D	CK389 187	MILL CONTROL	PIPE TPA	-10	227	209	211	216	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528809	AE-134D	CK389 187	MILL CONTROL	PIPE TWA	-10	138	115	103	119	100	85	80	80	88 FLZ	2/3	
EVRAZ Regina - 528809	AE-134D	CK390 187	MILL CONTROL	PIPE TWA	-10	119	173	115	136	80	100	70	70	83 FLZ	2/3	
EVRAZ Regina - 528809	AE-134D	CK480 200	LOT QUALIFIER	PIPE TPA	-10	170	160	156	162	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528809	AE-134D	CK480 200	LOT QUALIFIER	PIPE TWA	-10	92	103	80	92	50	50	50	50	50 FLZ	2/3	
EVRAZ Regina - 528809	AE-134D	CK481 200	LOT QUALIFIER	PIPE TWA	-10	122	108	135	122	95	50	75	75	73 FLZ	2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528810	AE-134D	CK399 188	MILL CONTROL	PIPE TPA	-10	251	180	162	198	198	100	100	100	100	90 2/3	
EVRAZ Regina - 528810	AE-134D	CK399 188	MILL CONTROL	PIPE TWA	-10	125	125	139	130	130	90	90	100	93	FLZ 2/3	
EVRAZ Regina - 528810	AE-134D	CK400 188	MILL CONTROL	PIPE TWA	-10	205	182	148	178	178	100	100	95	98	FLZ 2/3	
EVRAZ Regina - 528811	AE-134D	CK412 190	MILL CONTROL	PIPE TPA	-10	185	228	165	193	193	100	100	100	100	90 2/3	
EVRAZ Regina - 528811	AE-134D	CK412 190	MILL CONTROL	PIPE TWA	-10	45	97	43	62	62	20	40	20	27	FLZ 2/3	
EVRAZ Regina - 528811	AE-134D	CK413 190	MILL CONTROL	PIPE TWA	-10	120	142	155	139	139	95	100	100	98	FLZ 2/3	
EVRAZ Regina - 528812	AE-134D	CK432 193	MILL CONTROL	PIPE TPA	-10	250	235	179	221	221	100	100	100	100	90 2/3	
EVRAZ Regina - 528812	AE-134D	CK432 193	MILL CONTROL	PIPE TWA	-10	145	140	140	142	142	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 528812	AE-134D	CK433 193	MILL CONTROL	PIPE TWA	-10	105	119	145	123	123	60	60	100	73	FLZ 2/3	
EVRAZ Regina - 528812	AE-134D	CK436 194	LOT QUALIFIER	PIPE TPA	-10	162	245	144	184	184	100	100	100	100	90 2/3	
EVRAZ Regina - 528812	AE-134D	CK436 194	LOT QUALIFIER	PIPE TWA	-10	145	108	65	106	106	100	60	30	63	FLZ 2/3	
EVRAZ Regina - 528812	AE-134D	CK438 194	LOT QUALIFIER	PIPE TWA	-10	155	140	165	153	153	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 528853	AE-134D	CK592 217	MILL CONTROL	PIPE TPA	-10	146	149	156	150	150	100	100	100	100	90 2/3	
EVRAZ Regina - 528853	AE-134D	CK592 217	MILL CONTROL	PIPE TWA	-10	96	118	108	107	107	50	90	55	65	FLZ 2/3	
EVRAZ Regina - 528853	AE-134D	CK593 217	MILL CONTROL	PIPE TWA	-10	135	125	120	127	127	100	55	50	68	FLZ 2/3	
EVRAZ Regina - 528853	AE-136A	CK870 236	MILL CONTROL	PIPE TPA	-10	172	158	147	159	159	100	100	100	100	90 2/3	
EVRAZ Regina - 528853	AE-136A	CK870 236	MILL CONTROL	PIPE TWA	-10	155	75	98	109	109	100	45	60	68	FLZ 2/3	
EVRAZ Regina - 528853	AE-136A	CK870 236	MILL CONTROL	PIPE TWA	-10	83	107	104	98	98	80	90	90	87	FLZ 2/3	
EVRAZ Regina - 528854	AE-134D	CK562 212	MILL CONTROL	PIPE TPA	-10	185	168	173	175	175	100	100	100	100	90 2/3	
EVRAZ Regina - 528854	AE-134D	CK562 212	MILL CONTROL	PIPE TWA	-10	132	99	91	107	107	85	50	50	62	FLZ 2/3	
EVRAZ Regina - 528854	AE-134D	CK563 213	MILL CONTROL	PIPE TWA	-10	85	98	120	101	101	50	50	55	52	FLZ 2/3	
EVRAZ Regina - 528854	AE-136A	CK809 227	MILL CONTROL	PIPE TPA	-10	230	152	147	176	176	100	100	100	100	90 2/3	
EVRAZ Regina - 528854	AE-136A	CK809 227	MILL CONTROL	PIPE TWA	-10	120	89	99	103	103	60	50	50	53	FLZ 2/3	
EVRAZ Regina - 528854	AE-136A	CK810 227	MILL CONTROL	PIPE TWA	-10	38	70	69	59	59	30	40	40	37	FLZ 2/3	
EVRAZ Regina - 528855	AE-134D	CK606 219	MILL CONTROL	PIPE TPA	-10	134	133	152	140	140	100	100	100	100	90 2/3	
EVRAZ Regina - 528855	AE-134D	CK606 219	MILL CONTROL	PIPE TWA	-10	95	102	161	119	119	25	40	45	37	FLZ 2/3	
EVRAZ Regina - 528855	AE-134D	CK607 219	MILL CONTROL	PIPE TWA	-10	87	109	88	95	95	45	55	45	48	FLZ 2/3	
EVRAZ Regina - 528864	AE-134D	CK522 206	MILL CONTROL	PIPE TPA	-10	196	200	219	205	205	100	100	100	100	90 2/3	
EVRAZ Regina - 528864	AE-134D	CK522 206	MILL CONTROL	PIPE TWA	-10	109	83	76	89	89	60	55	55	57	FLZ 2/3	
EVRAZ Regina - 528864	AE-134D	CK523 207	MILL CONTROL	PIPE TWA	-10	88	68	98	85	85	50	45	50	48	FLZ 2/3	
EVRAZ Regina - 528864	AE-134D	CK527 207	LOT QUALIFIER	PIPE TWA	-10	101	101	129	110	110	70	70	80	73	FLZ 2/3	
EVRAZ Regina - 528864	AE-134D	CK559 212	LOT QUALIFIER	PIPE TPA	-10	174	154	157	162	162	100	100	100	100	90 2/3	
EVRAZ Regina - 528864	AE-134D	CK559 212	LOT QUALIFIER	PIPE TWA	-10	154	163	153	157	157	70	85	75	77	FLZ 2/3	
EVRAZ Regina - 528865	AE-134D	CK458 197	MILL CONTROL	PIPE TPA	-10	160	184	185	176	176	100	100	100	100	90 2/3	
EVRAZ Regina - 528865	AE-134D	CK458 197	MILL CONTROL	PIPE TWA	-10	111	87	105	101	101	70	50	70	63	FLZ 2/3	
EVRAZ Regina - 528865	AE-134D	CK479 200	MILL CONTROL	PIPE TWA	-10	58	67	105	77	77	30	30	60	40	FLZ 2/3	
EVRAZ Regina - 528865	AE-136A	CK902 240	MILL CONTROL	PIPE TPA	-10	175	165	179	173	173	100	100	100	100	90 2/3	
EVRAZ Regina - 528865	AE-136A	CK902 240	MILL CONTROL	PIPE TWA	-10	77	98	100	92	92	60	65	65	63	FLZ 2/3	
EVRAZ Regina - 528865	AE-136A	CK903 241	MILL CONTROL	PIPE TWA	-10	61	93	117	90	90	60	90	85	78	FLZ 2/3	
EVRAZ Regina - 528866	AE-134D	CK581 215	MILL CONTROL	PIPE TPA	-10	135	151	204	163	163	100	100	100	100	90 2/3	
EVRAZ Regina - 528866	AE-134D	CK581 215	MILL CONTROL	PIPE TWA	-10	135	125	149	136	136	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 528866	AE-134D	CK582 215	MILL CONTROL	PIPE TWA	-10	71	112	82	88	88	40	45	40	42	FLZ 2/3	
EVRAZ Regina - 528866	AE-136A	CK904 241	MILL CONTROL	PIPE TPA	-10	159	157	150	155	155	100	100	100	100	90 2/3	
EVRAZ Regina - 528866	AE-136A	CK904 241	MILL CONTROL	PIPE TWA	-10	83	75	91	83	83	65	65	65	65	FLZ 2/3	
EVRAZ Regina - 528866	AE-136A	CK905 241	MILL CONTROL	PIPE TWA	-10	50	65	102	72	72	50	50	60	53	FLZ 2/3	
EVRAZ Regina - 528867	AE-134D	CK599 218	MILL CONTROL	PIPE TPA	-10	254	253	256	254	254	100	100	100	100	90 2/3	
EVRAZ Regina - 528867	AE-134D	CK599 218	MILL CONTROL	PIPE TWA	-10	126	111	113	117	117	40	35	35	37	FLZ 2/3	
EVRAZ Regina - 528867	AE-134D	CK600 218	MILL CONTROL	PIPE TWA	-10	163	232	100	165	165	70	100	35	68	FLZ 2/3	
EVRAZ Regina - 528867	AE-136A	CL111 271	MILL CONTROL	PIPE TPA	-10	211	237	268	239	239	100	100	100	100	90 2/3	
EVRAZ Regina - 528867	AE-136A	CL111 271	MILL CONTROL	PIPE TWA	-10	93	104	89	95	95	30	30	30	30	FLZ 2/3	
EVRAZ Regina - 528867	AE-136A	CL112 271	MILL CONTROL	PIPE TWA	-10	95	74	51	73	73	45	40	20	35	FLZ 2/3	
EVRAZ Regina - 528868	AE-134D	CK548 210	MILL CONTROL	PIPE TPA	-10	251	260	242	251	251	100	100	100	100	90 2/3	
EVRAZ Regina - 528868	AE-134D	CK548 210	MILL CONTROL	PIPE TWA	-10	129	219	122	157	157	95	100	90	95	FLZ 2/3	
EVRAZ Regina - 528868	AE-134D	CK549 210	MILL CONTROL	PIPE TWA	-10	103	122	138	121	121	60	95	80	78	FLZ 2/3	

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528868	AE-134D	CK579 215	LOT QUALIFIER	PIPE TPA	-10	151	160	240	184	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528868	AE-134D	CK579 215	LOT QUALIFIER	PIPE TWA	-10	140	154	138	144	100	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 528868	AE-134D	CK580 215	LOT QUALIFIER	PIPE TWA	-10	136	179	177	164	90	100	100	100	97	FLZ 2/3	
EVRAZ Regina - 528885	AE-136A	CL014 256	MILL CONTROL	PIPE TPA	-10	230	246	273	250	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528885	AE-136A	CL014 256	MILL CONTROL	PIPE TWA	-10	60	114	104	93	40	50	40	40	43	FLZ 2/3	
EVRAZ Regina - 528885	AE-136A	CL015 257	MILL CONTROL	PIPE TWA	-10	97	92	159	116	45	45	70	53	FLZ 2/3		
EVRAZ Regina - 528885	AE-136A	CL020 257	LOT QUALIFIER	PIPE TWA	-10	89	125	128	114	45	80	80	68	FLZ 2/3		
EVRAZ Regina - 528885	AE-136A	CL021 257	LOT QUALIFIER	PIPE TPA	-10	266	275	268	270	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528885	AE-136A	CL021 257	LOT QUALIFIER	PIPE TWA	-10	185	161	125	157	100	100	100	100	100	FLZ 2/3	
EVRAZ Regina - 528886	AE-136A	CK984 252	MILL CONTROL	PIPE TPA	-10	164	215	168	182	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528886	AE-136A	CK984 252	MILL CONTROL	PIPE TWA	-10	110	79	135	108	40	40	50	43	FLZ 2/3		
EVRAZ Regina - 528886	AE-136A	CK985 252	MILL CONTROL	PIPE TWA	-10	119	120	120	120	70	70	70	70	FLZ 2/3		
EVRAZ Regina - 528887	AE-136A	CK829 230	MILL CONTROL	PIPE TPA	-10	257	262	235	251	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528887	AE-136A	CK829 230	MILL CONTROL	PIPE TWA	-10	118	86	113	106	80	50	80	70	FLZ 2/3		
EVRAZ Regina - 528887	AE-136A	CK830 230	MILL CONTROL	PIPE TWA	-10	129	122	115	122	75	75	75	75	FLZ 2/3		
EVRAZ Regina - 528887	AE-136A	CK882 238	LOT QUALIFIER	PIPE TPA	-10	137	152	129	139	100	100	100	100	90 2/3		
EVRAZ Regina - 528887	AE-136A	CK882 238	LOT QUALIFIER	PIPE TWA	-10	95	128	107	110	60	100	85	82	FLZ 2/3		
EVRAZ Regina - 528887	AE-136A	CK882 238	LOT QUALIFIER	PIPE TWA	-10	54	68	69	64	100	85	85	90	FLZ 2/3		
EVRAZ Regina - 528888	AE-136A	CK811 227	MILL CONTROL	PIPE TPA	-10	259	261	269	263	100	100	100	100	90 2/3		
EVRAZ Regina - 528888	AE-136A	CK811 227	MILL CONTROL	PIPE TWA	-10	240	155	173	189	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 528888	AE-136A	CK812 227	MILL CONTROL	PIPE TWA	-10	120	110	155	128	65	100	80	82	FLZ 2/3		
EVRAZ Regina - 528915	AE-136A	CK932 245	MILL CONTROL	PIPE TPA	-10	140	145	152	146	100	100	100	100	90 2/3		
EVRAZ Regina - 528915	AE-136A	CK932 245	MILL CONTROL	PIPE TWA	-10	115	102	97	105	90	90	85	88	FLZ 2/3		
EVRAZ Regina - 528915	AE-136A	CK933 245	MILL CONTROL	PIPE TWA	-10	51	48	50	50	50	50	50	50	FLZ 2/3		
EVRAZ Regina - 528916	AE-136A	CL053 262	MILL CONTROL	PIPE TPA	-10	262	246	265	258	100	100	100	100	90 2/3		
EVRAZ Regina - 528916	AE-136A	CL053 262	MILL CONTROL	PIPE TWA	-10	130	131	110	124	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 528916	AE-136A	CL054 262	MILL CONTROL	PIPE TWA	-10	131	72	91	98	90	55	55	67	FLZ 2/3		
EVRAZ Regina - 528916	AE-136A	CL059 263	LOT QUALIFIER	PIPE TWA	-10	70	34	58	54	25	15	20	20	FLZ 2/3		
EVRAZ Regina - 528916	AE-136A	CL060 263	LOT QUALIFIER	PIPE TPA	-10	214	271	275	253	100	100	100	100	90 2/3		
EVRAZ Regina - 528916	AE-136A	CL060 263	LOT QUALIFIER	PIPE TWA	-10	117	96	41	85	45	25	20	30	FLZ 2/3		
EVRAZ Regina - 528918	AE-136A	CL037 260	MILL CONTROL	PIPE TPA	-10	163	161	178	167	100	100	100	100	90 2/3		
EVRAZ Regina - 528918	AE-136A	CL037 260	MILL CONTROL	PIPE TWA	-10	49	39	99	62	25	25	35	28	FLZ 2/3		
EVRAZ Regina - 528918	AE-136A	CL038 260	MILL CONTROL	PIPE TWA	-10	148	208	140	165	85	100	95	93	FLZ 2/3		
EVRAZ Regina - 528919	AE-136A	CK919 243	MILL CONTROL	PIPE TPA	-10	116	125	121	121	100	100	100	100	90 2/3		
EVRAZ Regina - 528919	AE-136A	CK919 243	MILL CONTROL	PIPE TWA	-10	70	85	35	63	80	80	25	62	FLZ 2/3		
EVRAZ Regina - 528919	AE-136A	CK920 243	MILL CONTROL	PIPE TWA	-10	45	39	46	43	25	25	25	25	FLZ 2/3		
EVRAZ Regina - 528920	AE-136A	CL085 267	MILL CONTROL	PIPE TPA	-10	205	195	172	191	100	100	100	100	90 2/3		
EVRAZ Regina - 528920	AE-136A	CL085 267	MILL CONTROL	PIPE TWA	-10	112	123	113	116	90	85	80	85	FLZ 2/3		
EVRAZ Regina - 528920	AE-136A	CL086 267	MILL CONTROL	PIPE TWA	-10	121	115	124	120	90	90	90	90	FLZ 2/3		
EVRAZ Regina - 528948	AE-136A	CL050 262	MILL CONTROL	PIPE TPA	-10	265	263	218	249	100	100	100	100	90 2/3		
EVRAZ Regina - 528948	AE-136A	CL050 262	MILL CONTROL	PIPE TWA	-10	64	101	108	91	25	45	45	38	FLZ 2/3		
EVRAZ Regina - 528948	AE-136A	CL051 262	MILL CONTROL	PIPE TWA	-10	127	110	48	95	55	50	25	43	FLZ 2/3		
EVRAZ Regina - 528949	AE-136A	CK875 237	MILL CONTROL	PIPE TPA	-10	266	187	232	228	100	100	100	100	90 2/3		
EVRAZ Regina - 528949	AE-136A	CK875 237	MILL CONTROL	PIPE TWA	-10	170	205	156	177	100	100	100	100	FLZ 2/3		
EVRAZ Regina - 528949	AE-136A	CK876 237	MILL CONTROL	PIPE TWA	-10	142	126	131	133	90	85	95	90	FLZ 2/3		
EVRAZ Regina - 528950	AE-136A	CK907 241	MILL CONTROL	PIPE TPA	-10	159	137	169	155	100	100	100	100	90 2/3		
EVRAZ Regina - 528950	AE-136A	CK907 241	MILL CONTROL	PIPE TWA	-10	101	130	99	110	95	95	90	93	FLZ 2/3		
EVRAZ Regina - 528950	AE-136A	CK908 241	MILL CONTROL	PIPE TWA	-10	136	82	95	104	95	80	90	88	FLZ 2/3		
EVRAZ Regina - 528951	AE-136A	CK938 246	MILL CONTROL	PIPE TPA	-10	193	190	146	176	100	100	100	100	90 2/3		
EVRAZ Regina - 528951	AE-136A	CK938 246	MILL CONTROL	PIPE TWA	-10	81	77	80	79	40	40	40	40	FLZ 2/3		
EVRAZ Regina - 528951	AE-136A	CK939 246	MILL CONTROL	PIPE TWA	-10	135	155	178	156	95	100	100	98	FLZ 2/3		
EVRAZ Regina - 528951	AE-136A	CK974 251	LOT QUALIFIER	PIPE TWA	-10	114	89	126	110	25	25	25	25	FLZ 2/3		
EVRAZ Regina - 528951	AE-136A	CK975 251	LOT QUALIFIER	PIPE TPA	-10	259	173	207	213	100	100	100	100	90 2/3		
EVRAZ Regina - 528951	AE-136A	CK975 251	LOT QUALIFIER	PIPE TWA	-10	91	88	82	87	55	55	50	53	FLZ 2/3		

Supplier - Heat	Chng	Prod ID	Test Type	Orientation	Temp C	Energy (Joules)				Percent Shear				Test Positi Size		Flat
						#1	#2	#3	Avg	#1	#2	#3	Avg			
EVRAZ Regina - 528952	AE-136A	CL009 256	MILL CONTROL	PIPE TPA	-10	129	127	130	129	100	100	100	100	100	90 2/3	
EVRAZ Regina - 528952	AE-136A	CL009 256	MILL CONTROL	PIPE TWA	-10	68	85	72	75	30	30	30	30	30 FLZ	2/3	
EVRAZ Regina - 528952	AE-136A	CL010 256	MILL CONTROL	PIPE TWA	-10	105	99	113	106	45	45	45	45	45 FLZ	2/3	
EVRAZ Regina - 529032	AE-136A	CK928 244	MILL CONTROL	PIPE TPA	-10	153	185	147	162	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529032	AE-136A	CK928 244	MILL CONTROL	PIPE TWA	-10	85	91	59	78	25	25	10	20	20 FLZ	2/3	
EVRAZ Regina - 529032	AE-136A	CK929 244	MILL CONTROL	PIPE TWA	-10	102	250	81	144	30	100	25	52	52 FLZ	2/3	
EVRAZ Regina - 529033	AE-136A	CK795 225	MILL CONTROL	PIPE TPA	-10	148	178	193	173	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529033	AE-136A	CK795 225	MILL CONTROL	PIPE TWA	-10	127	141	112	127	75	80	60	72	72 FLZ	2/3	
EVRAZ Regina - 529033	AE-136A	CK796 225	MILL CONTROL	PIPE TWA	-10	166	180	198	181	60	60	65	62	62 FLZ	2/3	
EVRAZ Regina - 529034	AE-136A	CL119 272	MILL CONTROL	PIPE TPA	-10	166	160	147	158	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529034	AE-136A	CL119 272	MILL CONTROL	PIPE TWA	-10	105	107	150	121	45	45	60	50	50 FLZ	2/3	
EVRAZ Regina - 529034	AE-136A	CL120 272	MILL CONTROL	PIPE TWA	-10	89	93	94	92	30	30	30	30	30 FLZ	2/3	
EVRAZ Regina - 529035	AE-136A	CK857 234	MILL CONTROL	PIPE TPA	-10	123	134	130	129	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529035	AE-136A	CK857 234	MILL CONTROL	PIPE TWA	-10	89	72	82	81	40	35	40	38	38 FLZ	2/3	
EVRAZ Regina - 529035	AE-136A	CK858 234	MILL CONTROL	PIPE TWA	-10	124	160	102	129	75	75	70	73	73 FLZ	2/3	
EVRAZ Regina - 529035	AE-136A	CK863 235	LOT QUALIFIER	PIPE TWA	-10	146	197	167	170	60	75	70	68	68 FLZ	2/3	
EVRAZ Regina - 529035	AE-136A	CK864 235	LOT QUALIFIER	PIPE TPA	-10	164	199	195	186	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529035	AE-136A	CK864 235	LOT QUALIFIER	PIPE TWA	-10	146	148	156	150	65	65	65	65	65 FLZ	2/3	
EVRAZ Regina - 529036	AE-136A	CK836 231	MILL CONTROL	PIPE TPA	-10	136	125	128	130	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529036	AE-136A	CK836 231	MILL CONTROL	PIPE TWA	-10	29	45	50	41	15	15	15	15	15 FLZ	2/3	
EVRAZ Regina - 529036	AE-136A	CK837 231	MILL CONTROL	PIPE TWA	-10	133	79	109	107	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529037	AE-136A	CK843 232	MILL CONTROL	PIPE TPA	-10	145	132	147	141	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529037	AE-136A	CK843 232	MILL CONTROL	PIPE TWA	-10	120	115	112	116	50	50	50	50	50 FLZ	2/3	
EVRAZ Regina - 529037	AE-136A	CK844 232	MILL CONTROL	PIPE TWA	-10	93	111	96	100	65	65	65	65	65 FLZ	2/3	
EVRAZ Regina - 529037	AE-136A	CK849 233	LOT QUALIFIER	PIPE TPA	-10	217	134	165	172	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529037	AE-136A	CK849 233	LOT QUALIFIER	PIPE TWA	-10	133	125	147	135	75	70	75	73	73 FLZ	2/3	
EVRAZ Regina - 529037	AE-136A	CK850 233	LOT QUALIFIER	PIPE TWA	-10	110	118	105	111	45	45	40	43	43 FLZ	2/3	
EVRAZ Regina - 529038	AE-136A	CK851 233	MILL CONTROL	PIPE TPA	-10	147	175	173	165	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529038	AE-136A	CK851 233	MILL CONTROL	PIPE TWA	-10	120	114	140	125	75	75	80	77	77 FLZ	2/3	
EVRAZ Regina - 529038	AE-136A	CK852 233	MILL CONTROL	PIPE TWA	-10	136	120	111	122	65	65	60	63	63 FLZ	2/3	
EVRAZ Regina - 529092	AE-136A	CK969 250	MILL CONTROL	PIPE TPA	-10	129	150	155	145	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529092	AE-136A	CK969 250	MILL CONTROL	PIPE TWA	-10	73	79	76	76	10	15	10	12	12 FLZ	2/3	
EVRAZ Regina - 529092	AE-136A	CK970 250	MILL CONTROL	PIPE TWA	-10	145	158	139	147	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529171	AE-136A	CL145 276	MILL CONTROL	PIPE TPA	-10	149	151	162	154	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529171	AE-136A	CL145 276	MILL CONTROL	PIPE TWA	-10	85	80	80	82	50	50	50	50	50 FLZ	2/3	
EVRAZ Regina - 529171	AE-136A	CL146 276	MILL CONTROL	PIPE TWA	-10	103	97	91	97	60	60	50	57	57 FLZ	2/3	
EVRAZ Regina - 529172	AE-136A	CL137 275	MILL CONTROL	PIPE TPA	-10	249	188	175	204	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529172	AE-136A	CL137 275	MILL CONTROL	PIPE TWA	-10	149	131	123	134	100	80	70	83	83 FLZ	2/3	
EVRAZ Regina - 529172	AE-136A	CL138 275	MILL CONTROL	PIPE TWA	-10	129	98	125	117	70	50	70	63	63 FLZ	2/3	
EVRAZ Regina - 529172	AE-136A	CL143 275	LOT QUALIFIER	PIPE TWA	-10	110	123	97	110	80	90	50	73	73 FLZ	2/3	
EVRAZ Regina - 529172	AE-136A	CL144 276	LOT QUALIFIER	PIPE TPA	-10	159	232	202	198	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529172	AE-136A	CL144 276	LOT QUALIFIER	PIPE TWA	-10	181	178	140	166	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529173	AE-136A	CL151 277	MILL CONTROL	PIPE TPA	-10	272	272	240	261	100	100	100	100	100	90 2/3	
EVRAZ Regina - 529173	AE-136A	CL151 277	MILL CONTROL	PIPE TWA	-10	122	93	99	105	60	40	50	50	50 FLZ	2/3	
EVRAZ Regina - 529173	AE-136A	CL152 277	MILL CONTROL	PIPE TWA	-10	99	89	109	99	40	40	40	40	40 FLZ	2/3	

## Macro Hardness Data

The information in this worksheet is modifiable.

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ				
EVRAZ Regina - 409002	AE-134D	CJ451 580	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	56.8	0.0	0.0	57.8	0.0	0.0	0.0	56.9	0.0	0.0	55.7	0.0	0.0	55.8	56.9	57.8			
EVRAZ Regina - 409002	AE-134D	CJ451 580	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.1	0.0	0.0	55.9	0.0	0.0	0.0	53.6	0.0	0.0	55.5	0.0	0.0	55.7	53.9	55.9			
EVRAZ Regina - 409003	AE-134D	CJ573 763	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	56.4	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	56.1	0.0	0.0	56.3	56.7	57.1			
EVRAZ Regina - 409003	AE-134D	CJ573 763	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	53.8	0.0	0.0	54.9	0.0	0.0	0.0	53.7	0.0	0.0	55.7	0.0	0.0	56.0	53.8	54.9			
EVRAZ Regina - 409004	AE-134D	CJ466 603	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	55.7	0.0	0.0	57.3	0.0	0.0	0.0	56.3	0.0	0.0	54.9	0.0	0.0	55.4	56.0	57.3			
EVRAZ Regina - 409004	AE-134D	CJ466 603	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	52.7	0.0	0.0	54.4	0.0	0.0	0.0	52.7	0.0	0.0	55.0	0.0	0.0	55.2	52.7	54.4			
EVRAZ Regina - 409005	AE-134D	CJ405 514	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.3	0.0	0.0	57.8	0.0	0.0	0.0	57.2	0.0	0.0	55.8	0.0	0.0	56.1	57.3	57.8			
EVRAZ Regina - 409005	AE-134D	CJ405 514	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	53.5	0.0	0.0	54.8	0.0	0.0	0.0	53.3	0.0	0.0	55.4	0.0	0.0	55.7	53.4	54.8			
EVRAZ Regina - 409006	AE-134D	CJ493 644	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.2	0.0	0.0	57.7	0.0	0.0	0.0	58.3	0.0	0.0	56.4	0.0	0.0	56.3	57.8	57.7			
EVRAZ Regina - 409006	AE-134D	CJ493 644	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	54.4	0.0	0.0	55.1	0.0	0.0	0.0	54.4	0.0	0.0	56.1	0.0	0.0	56.2	54.4	55.1			
EVRAZ Regina - 409036	AE-134D	CJ397 502	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	58.7	0.0	0.0	59.4	0.0	0.0	0.0	58.5	0.0	0.0	56.8	0.0	0.0	56.8	58.6	59.4			
EVRAZ Regina - 409036	AE-134D	CJ397 502	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.8	0.0	0.0	57.1	0.0	0.0	0.0	55.1	0.0	0.0	56.6	0.0	0.0	56.6	56.0	57.1			
EVRAZ Regina - 409037	AE-134D	CJ464 600	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	56.8	0.0	0.0	57.5	0.0	0.0	0.0	57.0	0.0	0.0	56.5	0.0	0.0	56.2	56.9	57.5			
EVRAZ Regina - 409037	AE-134D	CJ464 600	MILL CONTROL	Rockwell A	OK	ID	56.8	0.0	0.0	54.8	0.0	0.0	56.4	0.0	0.0	0.0	56.0	0.0	0.0	57.0	0.0	0.0	56.9	55.4	56.4			
EVRAZ Regina - 409038	AE-134D	CJ478 621	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	57.2	0.0	0.0	57.9	0.0	0.0	0.0	57.4	0.0	0.0	56.5	0.0	0.0	56.2	57.3	57.9			
EVRAZ Regina - 409038	AE-134D	CJ478 621	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	55.1	0.0	0.0	56.2	0.0	0.0	0.0	55.4	0.0	0.0	56.7	0.0	0.0	56.5	55.3	56.2			
EVRAZ Regina - 409039	AE-134D	CJ458 591	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	55.5	0.0	0.0	57.5	0.0	0.0	0.0	56.7	0.0	0.0	54.2	0.0	0.0	54.5	56.1	57.5			
EVRAZ Regina - 409039	AE-134D	CJ458 591	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	52.4	0.0	0.0	54.8	0.0	0.0	0.0	53.5	0.0	0.0	55.8	0.0	0.0	55.5	53.0	54.8			
EVRAZ Regina - 409040	AE-134D	CJ499 652	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	55.9	0.0	0.0	58.1	0.0	0.0	0.0	57.8	0.0	0.0	55.8	0.0	0.0	55.8	56.9	58.1			
EVRAZ Regina - 409040	AE-134D	CJ499 652	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	52.2	0.0	0.0	54.5	0.0	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	55.3	53.0	54.5			
EVRAZ Regina - 409099	AE-134D	CJ438 561	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.1	0.0	0.0	58.1	0.0	0.0	0.0	57.5	0.0	0.0	56.2	0.0	0.0	55.9	56.8	58.1			
EVRAZ Regina - 409099	AE-134D	CJ438 561	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.6	0.0	0.0	55.6	0.0	0.0	0.0	53.9	0.0	0.0	56.2	0.0	0.0	55.6	54.3	55.6			
EVRAZ Regina - 409100	AE-134D	CJ421 536	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.9	0.0	0.0	57.1	0.0	0.0	0.0	57.1	0.0	0.0	55.2	0.0	0.0	55.1	57.0	57.1			
EVRAZ Regina - 409100	AE-134D	CJ421 536	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	53.3	0.0	0.0	54.9	0.0	0.0	0.0	55.1	0.0	0.0	54.6	0.0	0.0	54.7	54.2	54.9			
EVRAZ Regina - 409101	AE-134D	CJ550 728	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.2	0.0	0.0	57.8	0.0	0.0	0.0	56.5	0.0	0.0	55.4	0.0	0.0	55.5	56.9	57.8			
EVRAZ Regina - 409101	AE-134D	CJ550 728	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	54.1	0.0	0.0	55.3	0.0	0.0	0.0	53.4	0.0	0.0	55.6	0.0	0.0	55.2	53.8	55.3			
EVRAZ Regina - 409102	AE-134D	CJ546 722	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.8	0.0	0.0	58.4	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.5	57.8	58.4			
EVRAZ Regina - 409102	AE-134D	CJ546 722	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	0.0	53.9	0.0	0.0	56.1	0.0	0.0	55.8	54.2	55.9			
EVRAZ Regina - 409103	AE-134D	CJ583 777	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.5	0.0	0.0	58.1	0.0	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	55.7	57.6	58.1			
EVRAZ Regina - 409103	AE-134D	CJ583 777	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	55.8	54.0	56.0			
EVRAZ Regina - 409127	AE-134D	CJ516 677	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.6	0.0	0.0	58.7	0.0	0.0	0.0	58.6	0.0	0.0	56.9	0.0	0.0	56.7	58.6	58.7			
EVRAZ Regina - 409127	AE-134D	CJ516 677	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	55.6	0.0	0.0	56.7	0.0	0.0	0.0	55.4	0.0	0.0	56.3	0.0	0.0	56.4	55.5	56.7			
EVRAZ Regina - 409128	AE-134D	CJ556 737	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	56.9	0.0	0.0	57.9	0.0	0.0	0.0	58.1	0.0	0.0	56.1	0.0	0.0	55.9	57.5	57.9			
EVRAZ Regina - 409128	AE-134D	CJ556 737	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.7	0.0	0.0	56.0	0.0	0.0	0.0	56.4	0.0	0.0	55.8	0.0	0.0	55.6	55.6	56.0			
EVRAZ Regina - 409129	AE-134D	CJ598 799	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.6	0.0	0.0	57.7	0.0	0.0	0.0	57.3	0.0	0.0	56.4	0.0	0.0	56.3	57.5	57.7			
EVRAZ Regina - 409129	AE-134D	CJ598 799	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	56.1	54.6	55.5			
EVRAZ Regina - 409130	AE-134D	CJ612 819	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	57.8	0.0	0.0	58.0	0.0	0.0	0.0	58.1	0.0	0.0	55.7	0.0	0.0	56.2	58.0	58.0			
EVRAZ Regina - 409130	AE-134D	CJ612 819	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	54.4	0.0	0.0	55.6	0.0	0.0	0.0	55.8	0.0	0.0	55.2	0.0	0.0	55.5	55.1	55.6			
EVRAZ Regina - 409131	AE-134D	CJ577 769	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.7	0.0	0.0	58.2	0.0	0.0	0.0	57.7	0.0	0.0	55.8	0.0	0.0	55.9	57.7	58.2			
EVRAZ Regina - 409131	AE-134D	CJ577 769	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	54.6	0.0	0.0	55.8	0.0	0.0	0.0	54.1	0.0	0.0	55.6	0.0	0.0	55.6	54.4	55.8			
EVRAZ Regina - 409209	AE-134D	CJ774 105	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	55.2	0.0	0.0	58.1	0.0	0.0	0.0	58.2	0.0	0.0	50.6	0.0	0.0	52.3	56.7	58.1			
EVRAZ Regina - 409209	AE-134D	CJ774 105	MILL CONTROL	Rockwell A	OK	ID	53.8	0.0	0.0	55.4	0.0	0.0	56.5	0.0	0.0	0.0	56.9	0.0	0.0	57.0	0.0	0.0	55.4	56.2	56.5			
EVRAZ Regina - 409210	AE-134D	CJ702 948	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	58.6	0.0	0.0	58.5	0.0	0.0	0.0	58.3	0.0	0.0	56.3	0.0	0.0	56.3	58.5	58.5			
EVRAZ Regina - 409210	AE-134D	CJ702 948	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.7	0.0	0.0	56.1	0.0	0.0	0.0	54.3	0.0	0.0	55.5	0.0	0.0	55.6	55.0	56.1			
EVRAZ Regina - 409211	AE-134D	CJ735 996	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	56.3	0.0	0.0	58.4	0.0	0.0	0.0	58.1	0.0	0.0	54.0	0.0	0.0	54.4	57.2	58.4			
EVRAZ Regina - 409211	AE-134D	CJ735 996	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.8	0.0	0.0	56.1	0.0	0.0	0.0	55.0	0.0	0.0	56.0	0.0	0.0	55.7	54.4	56.1			
EVRAZ Regina - 409212	AE-134D	CJ800 109	MILL CONTROL	Rockwell A	OK	OD	57.0	0.0	0.0	58.9	0.0	0.0	59.1	0.0	0.0	0.0	59.1	0.0	0.0	57.1	0.0	0.0	57.1	59.0	59.1			
EVRAZ Regina - 409212	AE-134D	CJ800 109	MILL CONTROL	Rockwell A	OK	ID	57.2	0.0	0.0	56.8	0.0	0.0	56.7	0.0	0.0	0.0	56.2	0.0	0.0	57.0	0.0	0.0	57.1	56.5	56.7			
EVRAZ Regina - 409213	AE-134D	CJ704 951	MILL CONTROL	Rockwell A	OK	OD	53.8	0.0	0.0	58.4	0.0	0.0	58.6	0.0	0.0	0.0	58.1	0.0	0.0	56.0	0.0	0.0	54.9	58.3	58.6			
EVRAZ Regina - 409213	AE-134D	CJ704																										

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ			
EVRAZ Regina - 409243	AE-134D	CJ776 105	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.3	0.0	0.0	58.6	0.0	0.0	0.0	57.5	0.0	0.0	56.7	0.0	0.0	56.5	57.4	58.6		
EVRAZ Regina - 409243	AE-134D	CJ776 105	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	55.4	0.0	0.0	56.7	0.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	56.1	55.2	56.7		
EVRAZ Regina - 409244	AE-134D	CJ731 991	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	55.7	0.0	0.0	56.8	0.0	0.0	0.0	56.5	0.0	0.0	55.9	0.0	0.0	55.5	56.1	56.8		
EVRAZ Regina - 409244	AE-134D	CJ731 991	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.4	0.0	0.0	55.5	0.0	0.0	0.0	54.4	0.0	0.0	55.5	0.0	0.0	55.4	54.4	55.5		
EVRAZ Regina - 409267	AE-134D	CJ681 917	MILL CONTROL	Rockwell A	OK	OD	57.1	0.0	0.0	58.9	0.0	0.0	59.5	0.0	0.0	0.0	59.0	0.0	0.0	57.2	0.0	0.0	57.2	59.0	59.5		
EVRAZ Regina - 409267	AE-134D	CJ681 917	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	55.4	0.0	0.0	56.5	0.0	0.0	0.0	54.3	0.0	0.0	55.7	0.0	0.0	55.2	54.9	56.5		
EVRAZ Regina - 409268	AE-134D	CJ708 957	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	58.1	0.0	0.0	58.5	0.0	0.0	0.0	58.4	0.0	0.0	56.4	0.0	0.0	56.4	58.3	58.5		
EVRAZ Regina - 409268	AE-134D	CJ708 957	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.1	0.0	0.0	56.4	0.0	0.0	0.0	54.8	0.0	0.0	55.1	0.0	0.0	55.4	55.0	56.4		
EVRAZ Regina - 409269	AE-134D	CJ668 899	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.8	0.0	0.0	57.2	0.0	0.0	0.0	56.6	0.0	0.0	55.7	0.0	0.0	55.6	56.7	57.2		
EVRAZ Regina - 409269	AE-134D	CJ668 899	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	56.6	0.0	0.0	55.8	0.0	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	55.7	55.5	55.8		
EVRAZ Regina - 409269	AE-134D	CJ961 133	MILL CONTROL	Rockwell A	OK	OD	52.9	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	0.0	57.5	0.0	0.0	55.1	0.0	0.0	54.7	57.1	57.3		
EVRAZ Regina - 409269	AE-134D	CJ961 133	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	54.6	0.0	0.0	56.0	0.0	0.0	0.0	52.9	0.0	0.0	54.7	0.0	0.0	54.9	53.8	56.0		
EVRAZ Regina - 409270	AE-134D	CJ694 936	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	57.5	0.0	0.0	57.8	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.0	57.6	57.8		
EVRAZ Regina - 409270	AE-134D	CJ694 936	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.3	0.0	0.0	55.8	0.0	0.0	0.0	53.8	0.0	0.0	55.4	0.0	0.0	55.3	54.6	55.8		
EVRAZ Regina - 409271	AE-134D	CJ649 871	MILL CONTROL	Rockwell A	OK	OD	54.6	0.0	0.0	57.3	0.0	0.0	58.0	0.0	0.0	0.0	57.7	0.0	0.0	56.0	0.0	0.0	55.3	57.5	58.0		
EVRAZ Regina - 409271	AE-134D	CJ649 871	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.0	0.0	0.0	55.1	0.0	0.0	55.0	54.2	56.0		
EVRAZ Regina - 409271	AE-134D	CJ953 131	MILL CONTROL	Rockwell A	OK	OD	54.3	0.0	0.0	56.5	0.0	0.0	57.6	0.0	0.0	0.0	57.0	0.0	0.0	55.3	0.0	0.0	54.8	56.8	57.6		
EVRAZ Regina - 409271	AE-134D	CJ953 131	MILL CONTROL	Rockwell A	OK	ID	54.1	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	0.0	52.7	0.0	0.0	54.8	0.0	0.0	54.5	53.3	55.6		
EVRAZ Regina - 409272	AE-134D	CJ710 959	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	58.1	0.0	0.0	58.2	0.0	0.0	0.0	57.4	0.0	0.0	56.6	0.0	0.0	56.7	57.8	58.2		
EVRAZ Regina - 409272	AE-134D	CJ710 959	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	56.2	0.0	0.0	56.5	0.0	0.0	0.0	55.4	0.0	0.0	56.8	0.0	0.0	56.6	55.8	56.5		
EVRAZ Regina - 409273	AE-134D	CJ707 955	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	58.3	0.0	0.0	58.4	0.0	0.0	0.0	58.5	0.0	0.0	56.7	0.0	0.0	56.3	58.4	58.4		
EVRAZ Regina - 409273	AE-134D	CJ707 955	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.3	0.0	0.0	56.3	0.0	0.0	0.0	54.4	0.0	0.0	55.4	0.0	0.0	55.3	54.9	56.3		
EVRAZ Regina - 409274	AE-134D	CJ673 906	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.8	0.0	0.0	58.6	0.0	0.0	0.0	58.1	0.0	0.0	55.9	0.0	0.0	55.7	58.0	58.6		
EVRAZ Regina - 409274	AE-134D	CJ673 906	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	54.9	0.0	0.0	56.0	0.0	0.0	0.0	53.7	0.0	0.0	55.4	0.0	0.0	55.0	54.3	56.0		
EVRAZ Regina - 409329	AE-134D	CJ839 115	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	55.9	0.0	0.0	56.9	0.0	0.0	0.0	56.5	0.0	0.0	55.0	0.0	0.0	55.3	56.2	56.9		
EVRAZ Regina - 409329	AE-134D	CJ839 115	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	52.5	0.0	0.0	54.8	0.0	0.0	0.0	53.2	0.0	0.0	54.8	0.0	0.0	54.9	52.9	54.8		
EVRAZ Regina - 409335	AE-134D	CJ849 116	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	55.9	0.0	0.0	57.3	0.0	0.0	0.0	56.3	0.0	0.0	52.8	0.0	0.0	54.1	56.1	57.3		
EVRAZ Regina - 409335	AE-134D	CJ849 116	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	52.8	0.0	0.0	55.1	0.0	0.0	0.0	54.2	0.0	0.0	53.3	0.0	0.0	54.3	53.5	55.1		
EVRAZ Regina - 409336	AE-134D	CJ879 120	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.7	0.0	0.0	58.3	0.0	0.0	0.0	57.3	0.0	0.0	56.2	0.0	0.0	56.0	57.5	58.3		
EVRAZ Regina - 409336	AE-134D	CJ879 120	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.0	0.0	0.0	55.8	0.0	0.0	0.0	54.0	0.0	0.0	55.4	0.0	0.0	55.3	54.5	55.8		
EVRAZ Regina - 409337	AE-134D	CJ834 114	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.2	0.0	0.0	57.5	0.0	0.0	0.0	57.8	0.0	0.0	56.9	0.0	0.0	56.5	57.5	57.5		
EVRAZ Regina - 409337	AE-134D	CJ834 114	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	56.4	0.0	0.0	56.3	0.0	0.0	0.0	56.2	0.0	0.0	56.9	0.0	0.0	56.1	56.3	56.3		
EVRAZ Regina - 409338	AE-134D	CJ835 114	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	58.0	0.0	0.0	58.0	0.0	0.0	0.0	56.4	0.0	0.0	56.3	0.0	0.0	56.0	57.2	58.0		
EVRAZ Regina - 409338	AE-134D	CJ835 114	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.7	0.0	0.0	55.3	0.0	0.0	0.0	53.1	0.0	0.0	55.1	0.0	0.0	55.2	53.9	55.3		
EVRAZ Regina - 409339	AE-134D	CJ866 118	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.5	0.0	0.0	58.5	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.3	57.6	58.5		
EVRAZ Regina - 409339	AE-134D	CJ866 118	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	55.9	54.9	55.8		
EVRAZ Regina - 409340	AE-134D	CJ815 111	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	56.9	0.0	0.0	58.7	0.0	0.0	0.0	58.9	0.0	0.0	55.5	0.0	0.0	55.2	57.9	58.7		
EVRAZ Regina - 409340	AE-134D	CJ815 111	MILL CONTROL	Rockwell A	OK	ID	54.6	0.0	0.0	54.9	0.0	0.0	56.6	0.0	0.0	0.0	55.4	0.0	0.0	54.5	0.0	0.0	54.6	55.2	56.6		
EVRAZ Regina - 409340	AE-134D	CJ959 132	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	57.1	0.0	0.0	57.8	0.0	0.0	0.0	57.3	0.0	0.0	54.9	0.0	0.0	55.0	57.2	57.8		
EVRAZ Regina - 409340	AE-134D	CJ959 132	MILL CONTROL	Rockwell A	OK	ID	54.4	0.0	0.0	53.7	0.0	0.0	55.6	0.0	0.0	0.0	53.0	0.0	0.0	54.8	0.0	0.0	54.6	53.4	55.6		
EVRAZ Regina - 409341	AE-134D	CJ848 116	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.2	0.0	0.0	57.2	0.0	0.0	0.0	57.2	0.0	0.0	56.2	0.0	0.0	55.9	57.2	57.2		
EVRAZ Regina - 409341	AE-134D	CJ848 116	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.6	0.0	0.0	55.7	0.0	0.0	0.0	55.4	0.0	0.0	55.7	0.0	0.0	55.7	55.5	55.7		
EVRAZ Regina - 409342	AE-134D	CJ941 130	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	57.0	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	56.1	0.0	0.0	55.8	57.0	57.1		
EVRAZ Regina - 409342	AE-134D	CJ941 130	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	55.1	0.0	0.0	55.6	0.0	0.0	0.0	53.9	0.0	0.0	56.5	0.0	0.0	55.7	54.5	55.6		
EVRAZ Regina - 409387	AE-134D	CK073 140	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.6	0.0	0.0	57.7	0.0	0.0	0.0	58.2	0.0	0.0	56.6	0.0	0.0	56.3	57.9	57.7		
EVRAZ Regina - 409387	AE-134D	CK073 140	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	56.3	0.0	0.0	56.9	0.0	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	55.9	56.1	56.9		
EVRAZ Regina - 409388	AE-134D	CK034 134	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	56.4	0.0	0.0	57.4	0.0	0.0	0.0	57.6	0.0	0.0	54.8	0.0	0.0	55.0	57.0	57.4		
EVRAZ Regina - 409388	AE-134D	CK034 134	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	52.3	0.0	0.0	54.7	0.0	0.0	0.0	54.5	0.0	0.0	55.0	0.0	0.0	54.8	53.4	54.7		
EVRAZ Regina - 409388	AE-134D	CK386 186	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	54.5	0.0	0.0	56.9	0.0	0.0	0.0	54.5	0.0	0.0	53.0	0.0	0.0	54.6	54.5	56.9		
EVRAZ Regina - 409388	AE-134D	CK386 186	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	56.0	0.0	0.0	55.5	0.0	0.0	0.0	53.6	0.0	0.0	57.2	0.0	0.0	56.2	54.8	55.5		
EVRAZ Regina - 409389	AE-134D	CK264 168	MILL CONTROL	Rockwell A	OK																						

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZA WMZ		
EVRAZ Regina - 409390	AE-134D	CK156 152	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.9	0.0	0.0	56.4	0.0	0.0	0.0	55.3	0.0	0.0	56.5	0.0	0.0	55.8	55.6	56.4	
EVRAZ Regina - 409391	AE-134D	CK042 135	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	56.4	0.0	0.0	57.0	0.0	0.0	0.0	57.5	0.0	0.0	55.6	0.0	0.0	54.8	57.0	57.0	
EVRAZ Regina - 409391	AE-134D	CK042 135	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	56.0	0.0	0.0	56.1	0.0	0.0	0.0	54.4	0.0	0.0	56.3	0.0	0.0	55.6	55.2	56.1	
EVRAZ Regina - 409392	AE-134D	CK147 151	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.3	0.0	0.0	56.9	0.0	0.0	0.0	56.1	0.0	0.0	55.8	0.0	0.0	55.4	56.2	56.9	
EVRAZ Regina - 409392	AE-134D	CK147 151	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	55.1	0.0	0.0	55.1	0.0	0.0	0.0	53.1	0.0	0.0	56.1	0.0	0.0	56.0	54.1	55.1	
EVRAZ Regina - 409393	AE-134D	CK060 138	MILL CONTROL	Rockwell A	OK	OD	52.8	0.0	0.0	52.4	0.0	0.0	58.1	0.0	0.0	0.0	58.3	0.0	0.0	50.0	0.0	0.0	51.4	55.4	58.1	
EVRAZ Regina - 409393	AE-134D	CK060 138	MILL CONTROL	Rockwell A	OK	ID	53.0	0.0	0.0	55.9	0.0	0.0	56.3	0.0	0.0	0.0	56.4	0.0	0.0	56.3	0.0	0.0	54.7	56.2	56.3	
EVRAZ Regina - 409435	AE-134D	CK179 156	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	52.3	0.0	0.0	57.9	0.0	0.0	0.0	53.3	0.0	0.0	56.2	0.0	0.0	56.3	52.8	57.9	
EVRAZ Regina - 409435	AE-134D	CK179 156	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	56.3	0.0	0.0	56.4	0.0	0.0	0.0	52.3	0.0	0.0	56.5	0.0	0.0	56.3	54.3	56.4	
EVRAZ Regina - 409436	AE-134D	CK028 133	MILL CONTROL	Rockwell A	OK	OD	52.9	0.0	0.0	48.3	0.0	0.0	58.8	0.0	0.0	0.0	58.4	0.0	0.0	54.2	0.0	0.0	53.6	53.4	58.8	
EVRAZ Regina - 409436	AE-134D	CK028 133	MILL CONTROL	Rockwell A	OK	ID	52.3	0.0	0.0	56.3	0.0	0.0	56.9	0.0	0.0	0.0	56.7	0.0	0.0	55.6	0.0	0.0	54.0	56.5	56.9	
EVRAZ Regina - 409437	AE-134D	CK081 141	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	58.3	0.0	0.0	58.4	0.0	0.0	0.0	58.9	0.0	0.0	55.9	0.0	0.0	55.8	58.6	58.4	
EVRAZ Regina - 409437	AE-134D	CK081 141	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.8	0.0	0.0	57.2	0.0	0.0	0.0	56.9	0.0	0.0	57.2	0.0	0.0	56.9	56.9	57.2	
EVRAZ Regina - 409438	AE-134D	CK095 143	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.8	0.0	0.0	58.3	0.0	0.0	0.0	58.5	0.0	0.0	56.6	0.0	0.0	56.6	58.2	58.3	
EVRAZ Regina - 409438	AE-134D	CK095 143	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	55.1	0.0	0.0	56.1	0.0	0.0	0.0	56.4	0.0	0.0	56.1	0.0	0.0	56.2	55.8	56.1	
EVRAZ Regina - 409439	AE-134D	CK171 154	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	56.7	0.0	0.0	57.7	0.0	0.0	0.0	57.1	0.0	0.0	55.8	0.0	0.0	55.5	56.9	57.7	
EVRAZ Regina - 409439	AE-134D	CK171 154	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.3	0.0	0.0	55.9	0.0	0.0	0.0	54.5	0.0	0.0	56.1	0.0	0.0	55.5	54.4	55.9	
EVRAZ Regina - 409440	AE-134D	CK211 160	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	56.5	0.0	0.0	56.7	0.0	0.0	0.0	56.6	0.0	0.0	55.7	0.0	0.0	56.0	56.6	56.7	
EVRAZ Regina - 409440	AE-134D	CK211 160	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	55.9	0.0	0.0	56.0	0.0	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	56.1	54.9	56.0	
EVRAZ Regina - 409441	AE-134D	CK111 145	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.3	0.0	0.0	58.2	0.0	0.0	0.0	58.0	0.0	0.0	55.7	0.0	0.0	55.7	58.2	58.2	
EVRAZ Regina - 409441	AE-134D	CK111 145	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	56.3	0.0	0.0	56.6	0.0	0.0	0.0	56.3	0.0	0.0	55.6	0.0	0.0	55.8	56.3	56.6	
EVRAZ Regina - 409442	AE-134D	CK119 147	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.7	0.0	0.0	58.4	0.0	0.0	0.0	58.7	0.0	0.0	55.7	0.0	0.0	56.2	58.2	58.4	
EVRAZ Regina - 409442	AE-134D	CK119 147	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.1	0.0	0.0	56.5	0.0	0.0	0.0	56.1	0.0	0.0	56.6	0.0	0.0	56.7	56.1	56.5	
EVRAZ Regina - 409486	AE-134D	CK201 159	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	56.7	0.0	0.0	57.6	0.0	0.0	0.0	57.0	0.0	0.0	55.8	0.0	0.0	55.8	56.9	57.6	
EVRAZ Regina - 409486	AE-134D	CK201 159	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.2	0.0	0.0	55.6	0.0	0.0	0.0	53.5	0.0	0.0	55.6	0.0	0.0	55.5	53.4	55.6	
EVRAZ Regina - 409487	AE-134D	CK328 178	MILL CONTROL	Rockwell A	OK	OD	54.5	0.0	0.0	55.2	0.0	0.0	58.3	0.0	0.0	0.0	58.8	0.0	0.0	56.5	0.0	0.0	55.5	57.0	58.3	
EVRAZ Regina - 409487	AE-134D	CK328 178	MILL CONTROL	Rockwell A	OK	ID	52.7	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	0.0	55.9	0.0	0.0	55.2	0.0	0.0	54.0	54.8	55.5	
EVRAZ Regina - 409488	AE-134D	CK217 161	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.2	0.0	0.0	58.2	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.8	57.3	58.2	
EVRAZ Regina - 409488	AE-134D	CK217 161	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.6	0.0	0.0	55.9	0.0	0.0	55.3	54.5	56.0	
EVRAZ Regina - 409489	AE-134D	CK234 164	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.1	0.0	0.0	57.9	0.0	0.0	0.0	58.3	0.0	0.0	55.2	0.0	0.0	55.8	58.2	57.9	
EVRAZ Regina - 409489	AE-134D	CK234 164	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	54.8	0.0	0.0	56.5	0.0	0.0	0.0	55.7	0.0	0.0	56.2	0.0	0.0	56.5	55.3	56.5	
EVRAZ Regina - 409490	AE-136A	CK979 251	MILL CONTROL	Rockwell A	OK	OD	47.2	0.0	0.0	49.4	0.0	0.0	55.2	0.0	0.0	0.0	55.6	0.0	0.0	49.6	0.0	0.0	48.4	52.5	55.2	
EVRAZ Regina - 409490	AE-136A	CK979 251	MILL CONTROL	Rockwell A	OK	ID	52.0	0.0	0.0	54.6	0.0	0.0	55.1	0.0	0.0	0.0	54.9	0.0	0.0	54.9	0.0	0.0	53.5	54.8	55.1	
EVRAZ Regina - 409528	AE-134D	CK380 185	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.3	0.0	0.0	57.7	0.0	0.0	0.0	57.7	0.0	0.0	56.2	0.0	0.0	56.1	57.0	57.7	
EVRAZ Regina - 409528	AE-134D	CK380 185	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.3	0.0	0.0	55.2	0.0	0.0	0.0	54.6	0.0	0.0	56.4	0.0	0.0	56.2	54.5	55.2	
EVRAZ Regina - 409529	AE-134D	CK363 183	MILL CONTROL	Rockwell A	OK	OD	54.6	0.0	0.0	57.2	0.0	0.0	58.1	0.0	0.0	0.0	54.2	0.0	0.0	56.1	0.0	0.0	55.4	57.5	58.1	
EVRAZ Regina - 409529	AE-134D	CK363 183	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.3	0.0	0.0	55.7	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.7	54.2	55.7	
EVRAZ Regina - 409530	AE-134D	CK241 165	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	56.1	0.0	0.0	58.1	0.0	0.0	0.0	57.8	0.0	0.0	55.7	0.0	0.0	55.5	57.0	58.1	
EVRAZ Regina - 409530	AE-134D	CK241 165	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.7	0.0	0.0	55.5	0.0	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	55.5	54.0	55.5	
EVRAZ Regina - 409531	AE-134D	CK306 174	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.3	0.0	0.0	58.7	0.0	0.0	0.0	58.4	0.0	0.0	55.7	0.0	0.0	55.9	58.4	58.7	
EVRAZ Regina - 409531	AE-134D	CK306 174	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	54.6	0.0	0.0	56.3	0.0	0.0	0.0	53.1	0.0	0.0	55.6	0.0	0.0	55.1	53.9	56.3	
EVRAZ Regina - 409532	AE-134D	CK358 182	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.0	0.0	0.0	59.0	0.0	0.0	0.0	56.3	0.0	0.0	56.2	0.0	0.0	56.0	56.7	59.0	
EVRAZ Regina - 409532	AE-134D	CK358 182	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	56.2	0.0	0.0	56.0	0.0	0.0	0.0	54.7	0.0	0.0	56.3	0.0	0.0	56.3	55.5	56.0	
EVRAZ Regina - 409533	AE-134D	CK316 176	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	57.9	0.0	0.0	57.8	0.0	0.0	0.0	56.9	0.0	0.0	55.9	0.0	0.0	56.4	57.4	57.8	
EVRAZ Regina - 409533	AE-134D	CK316 176	MILL CONTROL	Rockwell A	OK	ID	57.0	0.0	0.0	55.9	0.0	0.0	56.1	0.0	0.0	0.0	54.0	0.0	0.0	56.2	0.0	0.0	56.6	55.0	56.1	
EVRAZ Regina - 409571	AE-134D	CK512 205	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.9	0.0	0.0	58.6	0.0	0.0	0.0	58.9	0.0	0.0	58.1	0.0	0.0	56.8	57.9	58.6	
EVRAZ Regina - 409571	AE-134D	CK512 205	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	56.2	0.0	0.0	57.3	0.0	0.0	0.0	57.4	0.0	0.0	57.0	0.0	0.0	56.3	56.8	57.3	
EVRAZ Regina - 409571	AE-136A	CL007 255	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	55.2	0.0	0.0	58.3	0.0	0.0	0.0	58.0	0.0	0.0	55.4	0.0	0.0	55.4	56.6	58.3	
EVRAZ Regina - 409571	AE-136A	CL007 255	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	53.6	0.0	0.0	55.7	0.0	0.0	0.0	54.3	0.0	0.0	55.3	0.0	0.0	55.4	54.0	55.7	
EVRAZ Regina - 409572	AE-134D	CK466 198	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.8	0.0	0.0	58.3	0.0	0.0	0.0	56.4	0.0	0.0	56.4	0.0	0.0	55.6	57.1	58.3	
EVRAZ Regina - 409572	AE-134D	CK466 198	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.6	0.0	0.0	56.1	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.8	54.4	56.1	
EVRAZ Regina - 409573	AE-134D	CK445 195	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.1	0.0	0.0	58.4	0.0	0.0	0.0	58.9	0.0	0.0	56.8	0.0	0.0	56.9	58.5	58.4	
EVRA																										

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZA WMZ				
EVRAZ Regina - 409576	AE-134D	CK452 196	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.8	0.0	0.0	59.4	0.0	0.0	0.0	58.5	0.0	0.0	58.3	0.0	0.0	57.6	58.7	59.4			
EVRAZ Regina - 409576	AE-134D	CK452 196	MILL CONTROL	Rockwell A	OK	ID	57.2	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	0.0	55.3	0.0	0.0	57.2	0.0	0.0	57.2	56.0	57.3			
EVRAZ Regina - 409607	AE-134D	CK424 192	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	57.4	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.2	57.9	58.6			
EVRAZ Regina - 409607	AE-134D	CK424 192	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	56.9	0.0	0.0	56.7	0.0	0.0	0.0	55.1	0.0	0.0	56.9	0.0	0.0	56.4	56.0	56.7			
EVRAZ Regina - 409608	AE-134D	CK416 191	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	56.8	0.0	0.0	57.0	0.0	0.0	0.0	56.7	0.0	0.0	54.8	0.0	0.0	54.8	56.8	57.0			
EVRAZ Regina - 409608	AE-134D	CK416 191	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	53.3	0.0	0.0	54.8	0.0	0.0	0.0	54.3	0.0	0.0	54.8	0.0	0.0	54.9	53.8	54.8			
EVRAZ Regina - 409609	AE-134D	CK460 197	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	58.5	0.0	0.0	59.3	0.0	0.0	0.0	57.0	0.0	0.0	56.8	0.0	0.0	56.8	57.8	59.3			
EVRAZ Regina - 409609	AE-134D	CK460 197	MILL CONTROL	Rockwell A	OK	ID	57.3	0.0	0.0	57.1	0.0	0.0	55.9	0.0	0.0	0.0	54.9	0.0	0.0	56.8	0.0	0.0	57.1	56.0	55.9			
EVRAZ Regina - 409609	AE-136A	CK924 244	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.8	0.0	0.0	58.1	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.1	58.1	58.1			
EVRAZ Regina - 409609	AE-136A	CK924 244	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.4	0.0	0.0	56.2	0.0	0.0	0.0	55.0	0.0	0.0	55.4	0.0	0.0	55.7	55.2	56.2			
EVRAZ Regina - 409650	AE-134D	CK518 206	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	58.0	0.0	0.0	59.0	0.0	0.0	0.0	58.8	0.0	0.0	56.1	0.0	0.0	56.0	58.4	59.0			
EVRAZ Regina - 409650	AE-134D	CK518 206	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	55.2	0.0	0.0	56.9	0.0	0.0	0.0	55.8	0.0	0.0	56.9	0.0	0.0	56.6	55.5	56.9			
EVRAZ Regina - 409651	AE-134D	CK543 210	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	56.0	0.0	0.0	57.7	0.0	0.0	0.0	57.2	0.0	0.0	55.6	0.0	0.0	55.7	56.6	57.7			
EVRAZ Regina - 409651	AE-134D	CK543 210	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	53.5	0.0	0.0	55.3	0.0	0.0	0.0	53.2	0.0	0.0	55.5	0.0	0.0	55.0	53.4	55.3			
EVRAZ Regina - 409652	AE-134D	CK483 201	MILL CONTROL	Rockwell A	OK	OD	54.4	0.0	0.0	55.4	0.0	0.0	58.0	0.0	0.0	0.0	56.7	0.0	0.0	54.4	0.0	0.0	54.4	56.1	58.0			
EVRAZ Regina - 409652	AE-134D	CK483 201	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	53.8	0.0	0.0	55.8	0.0	0.0	0.0	53.5	0.0	0.0	54.3	0.0	0.0	54.4	53.7	55.8			
EVRAZ Regina - 409653	AE-134D	CK490 202	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.7	0.0	0.0	58.0	0.0	0.0	0.0	58.0	0.0	0.0	55.9	0.0	0.0	55.6	57.9	58.0			
EVRAZ Regina - 409653	AE-134D	CK490 202	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	56.2	0.0	0.0	56.0	0.0	0.0	0.0	55.0	0.0	0.0	56.3	0.0	0.0	55.8	55.6	56.0			
EVRAZ Regina - 409653	AE-136A	CK900 240	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.7	0.0	0.0	57.6	0.0	0.0	0.0	57.5	0.0	0.0	55.9	0.0	0.0	56.0	57.1	57.6			
EVRAZ Regina - 409653	AE-136A	CK900 240	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.4	0.0	0.0	54.8	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	55.7	53.8	54.8			
EVRAZ Regina - 409654	AE-136A	CL104 270	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	56.0	0.0	0.0	57.2	0.0	0.0	0.0	57.1	0.0	0.0	52.6	0.0	0.0	53.8	56.6	57.2			
EVRAZ Regina - 409654	AE-136A	CL104 270	MILL CONTROL	Rockwell A	OK	ID	54.8	0.0	0.0	52.9	0.0	0.0	54.4	0.0	0.0	0.0	53.8	0.0	0.0	55.3	0.0	0.0	55.1	53.4	54.4			
EVRAZ Regina - 409655	AE-134D	CK617 221	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	52.9	0.0	0.0	57.3	0.0	0.0	0.0	57.3	0.0	0.0	50.4	0.0	0.0	52.6	55.1	57.3			
EVRAZ Regina - 409655	AE-134D	CK617 221	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.8	0.0	0.0	56.4	0.0	0.0	0.0	56.4	0.0	0.0	53.7	0.0	0.0	54.9	55.6	56.4			
EVRAZ Regina - 409663	AE-134D	CK539 209	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	57.8	0.0	0.0	58.2	0.0	0.0	0.0	56.9	0.0	0.0	56.2	0.0	0.0	56.4	57.4	58.2			
EVRAZ Regina - 409663	AE-134D	CK539 209	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	55.9	0.0	0.0	56.2	0.0	0.0	0.0	54.0	0.0	0.0	57.0	0.0	0.0	57.0	55.0	56.2			
EVRAZ Regina - 409663	AE-136A	CL029 259	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.9	0.0	0.0	58.2	0.0	0.0	0.0	58.6	0.0	0.0	56.6	0.0	0.0	56.0	58.3	58.2			
EVRAZ Regina - 409663	AE-136A	CL029 259	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	0.0	56.0	0.0	0.0	56.3	0.0	0.0	56.0	55.6	56.0			
EVRAZ Regina - 409664	AE-134D	CK534 208	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.0	0.0	0.0	58.0	0.0	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	55.6	56.8	58.0			
EVRAZ Regina - 409664	AE-134D	CK534 208	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	54.2	0.0	0.0	56.0	0.0	0.0	0.0	54.1	0.0	0.0	55.7	0.0	0.0	55.4	54.2	56.0			
EVRAZ Regina - 409664	AE-136A	CL005 255	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.3	0.0	0.0	57.9	0.0	0.0	0.0	58.1	0.0	0.0	55.9	0.0	0.0	55.7	57.2	57.9			
EVRAZ Regina - 409664	AE-136A	CL005 255	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.8	0.0	0.0	55.8	0.0	0.0	0.0	54.2	0.0	0.0	55.1	0.0	0.0	55.2	54.0	55.8			
EVRAZ Regina - 409665	AE-134D	CK573 214	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	56.2	0.0	0.0	57.7	0.0	0.0	0.0	57.8	0.0	0.0	55.1	0.0	0.0	55.1	57.0	57.7			
EVRAZ Regina - 409665	AE-134D	CK573 214	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	56.2	54.9	56.3			
EVRAZ Regina - 409665	AE-136A	CL031 259	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	58.0	0.0	0.0	58.3	0.0	0.0	0.0	58.3	0.0	0.0	56.2	0.0	0.0	55.7	58.2	58.3			
EVRAZ Regina - 409665	AE-136A	CL031 259	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.2	0.0	0.0	55.8	0.0	0.0	0.0	55.8	0.0	0.0	56.0	0.0	0.0	55.9	55.5	55.8			
EVRAZ Regina - 409666	AE-134D	CK620 221	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.2	0.0	0.0	58.1	0.0	0.0	0.0	57.2	0.0	0.0	55.9	0.0	0.0	55.5	57.2	58.1			
EVRAZ Regina - 409666	AE-134D	CK620 221	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	53.4	0.0	0.0	55.1	0.0	0.0	0.0	52.5	0.0	0.0	55.4	0.0	0.0	55.1	53.0	55.1			
EVRAZ Regina - 409667	AE-134D	CK566 213	MILL CONTROL	Rockwell A	OK	OD	54.1	0.0	0.0	54.4	0.0	0.0	57.1	0.0	0.0	0.0	56.9	0.0	0.0	55.5	0.0	0.0	54.8	55.7	57.1			
EVRAZ Regina - 409667	AE-134D	CK566 213	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	52.8	0.0	0.0	54.7	0.0	0.0	0.0	54.2	0.0	0.0	53.5	0.0	0.0	54.3	53.5	54.7			
EVRAZ Regina - 409667	AE-136A	CL083 267	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	56.6	0.0	0.0	56.9	0.0	0.0	0.0	57.3	0.0	0.0	54.3	0.0	0.0	54.7	57.0	56.9			
EVRAZ Regina - 409667	AE-136A	CL083 267	MILL CONTROL	Rockwell A	OK	ID	54.2	0.0	0.0	53.5	0.0	0.0	55.2	0.0	0.0	0.0	55.4	0.0	0.0	52.9	0.0	0.0	53.6	54.5	55.2			
EVRAZ Regina - 409685	AE-136A	CK805 226	MILL CONTROL	Rockwell A	OK	OD	49.4	0.0	0.0	45.7	0.0	0.0	55.2	0.0	0.0	0.0	56.1	0.0	0.0	55.4	0.0	0.0	52.4	50.9	55.2			
EVRAZ Regina - 409685	AE-136A	CK805 226	MILL CONTROL	Rockwell A	OK	ID	54.0	0.0	0.0	51.7	0.0	0.0	55.5	0.0	0.0	0.0	55.9	0.0	0.0	55.8	0.0	0.0	54.9	53.8	55.5			
EVRAZ Regina - 409686	AE-136A	CK898 240	MILL CONTROL	Rockwell A	OK	OD	53.9	0.0	0.0	57.4	0.0	0.0	57.3	0.0	0.0	0.0	57.1	0.0	0.0	55.1	0.0	0.0	54.5	57.3	57.3			
EVRAZ Regina - 409686	AE-136A	CK898 240	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.9	0.0	0.0	56.2	0.0	0.0	0.0	54.6	0.0	0.0	56.5	0.0	0.0	56.1	55.3	56.2			
EVRAZ Regina - 409687	AE-136A	CL071 265	MILL CONTROL	Rockwell A	OK	OD	54.1	0.0	0.0	55.9	0.0	0.0	57.3	0.0	0.0	0.0	57.8	0.0	0.0	55.5	0.0	0.0	54.8	56.9	57.3			
EVRAZ Regina - 409687	AE-136A	CL071 265	MILL CONTROL	Rockwell A	OK	ID	54.2	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	0.0	56.1	0.0	0.0	55.4	0.0	0.0	54.8	55.3	55.8			
EVRAZ Regina - 409688	AE-136A	CL094 268	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.4	0.0	0.0	56.6	0.0	0.0	0.0	57.3	0.0	0.0	55.6	0.0	0.0	55.5	56.9	56.6			
EVRAZ Regina - 409688	AE-136A	CL094 268	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.9	0.																	

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ		
EVRAZ Regina - 409716	AE-136A	CL061 263	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	55.1	0.0	0.0	56.5	0.0	0.0	0.0	56.1	0.0	0.0	55.9	0.0	0.0	55.5	55.6	56.5	
EVRAZ Regina - 409717	AE-136A	CK828 230	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	56.9	0.0	0.0	57.6	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.7	57.1	57.6	
EVRAZ Regina - 409717	AE-136A	CK828 230	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.6	0.0	0.0	56.1	0.0	0.0	0.0	54.3	0.0	0.0	56.4	0.0	0.0	56.2	54.5	56.1	
EVRAZ Regina - 409718	AE-136A	CK968 250	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	56.1	0.0	0.0	57.7	0.0	0.0	0.0	57.1	0.0	0.0	55.4	0.0	0.0	55.3	56.6	57.7	
EVRAZ Regina - 409718	AE-136A	CK968 250	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	53.5	0.0	0.0	55.2	0.0	0.0	0.0	55.7	0.0	0.0	55.8	0.0	0.0	55.7	54.6	55.2	
EVRAZ Regina - 409746	AE-136A	CL032 259	MILL CONTROL	Rockwell A	OK	OD	54.5	0.0	0.0	57.0	0.0	0.0	57.5	0.0	0.0	0.0	57.5	0.0	0.0	55.3	0.0	0.0	54.9	57.3	57.5	
EVRAZ Regina - 409746	AE-136A	CL032 259	MILL CONTROL	Rockwell A	OK	ID	54.6	0.0	0.0	53.9	0.0	0.0	55.3	0.0	0.0	0.0	54.7	0.0	0.0	55.2	0.0	0.0	54.9	54.3	55.3	
EVRAZ Regina - 409747	AE-136A	CL105 270	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	57.6	0.0	0.0	58.1	0.0	0.0	0.0	58.2	0.0	0.0	55.9	0.0	0.0	55.4	57.9	58.1	
EVRAZ Regina - 409747	AE-136A	CL105 270	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.2	0.0	0.0	55.5	0.0	0.0	0.0	55.3	0.0	0.0	55.3	0.0	0.0	55.0	54.8	55.5	
EVRAZ Regina - 409748	AE-136A	CL047 261	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	55.9	0.0	0.0	56.6	0.0	0.0	0.0	57.4	0.0	0.0	56.0	0.0	0.0	55.6	56.7	56.6	
EVRAZ Regina - 409748	AE-136A	CL047 261	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	56.1	0.0	0.0	56.9	0.0	0.0	0.0	56.9	0.0	0.0	55.9	0.0	0.0	56.0	56.5	56.9	
EVRAZ Regina - 409749	AE-136A	CL114 271	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	55.4	0.0	0.0	55.8	0.0	0.0	0.0	56.0	0.0	0.0	54.9	0.0	0.0	54.6	55.7	55.8	
EVRAZ Regina - 409749	AE-136A	CL114 271	MILL CONTROL	Rockwell A	OK	ID	54.4	0.0	0.0	54.5	0.0	0.0	54.9	0.0	0.0	0.0	55.2	0.0	0.0	54.9	0.0	0.0	54.7	54.9	54.9	
EVRAZ Regina - 409750	AE-136A	CK918 243	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	58.8	0.0	0.0	58.8	0.0	0.0	0.0	58.8	0.0	0.0	56.5	0.0	0.0	56.4	58.8	58.8	
EVRAZ Regina - 409750	AE-136A	CK918 243	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	57.0	0.0	0.0	56.4	0.0	0.0	0.0	55.8	0.0	0.0	56.6	0.0	0.0	56.4	56.4	56.4	
EVRAZ Regina - 409832	AE-136A	CK865 235	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	58.6	0.0	0.0	58.7	0.0	0.0	0.0	57.8	0.0	0.0	55.7	0.0	0.0	56.2	58.2	58.7	
EVRAZ Regina - 409832	AE-136A	CK865 235	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	56.0	0.0	0.0	57.1	0.0	0.0	0.0	55.7	0.0	0.0	56.1	0.0	0.0	56.4	55.9	57.1	
EVRAZ Regina - 409833	AE-136A	CK949 247	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	56.7	0.0	0.0	58.1	0.0	0.0	0.0	57.5	0.0	0.0	55.9	0.0	0.0	55.1	57.1	58.1	
EVRAZ Regina - 409833	AE-136A	CK949 247	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	54.1	0.0	0.0	55.9	0.0	0.0	0.0	53.7	0.0	0.0	55.8	0.0	0.0	55.7	53.9	55.9	
EVRAZ Regina - 409834	AE-136A	CK953 248	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	55.6	0.0	0.0	58.2	0.0	0.0	0.0	58.2	0.0	0.0	55.7	0.0	0.0	55.6	56.9	58.2	
EVRAZ Regina - 409834	AE-136A	CK953 248	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	53.9	0.0	0.0	55.4	0.0	0.0	0.0	53.5	0.0	0.0	55.7	0.0	0.0	55.5	57.1	55.4	
EVRAZ Regina - 409835	AE-136A	CK946 247	MILL CONTROL	Rockwell A	OK	OD	51.0	0.0	0.0	53.2	0.0	0.0	56.2	0.0	0.0	0.0	57.8	0.0	0.0	50.0	0.0	0.0	50.5	55.5	56.2	
EVRAZ Regina - 409835	AE-136A	CK946 247	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	54.0	0.0	0.0	56.0	0.0	0.0	0.0	56.1	0.0	0.0	56.2	0.0	0.0	55.7	55.1	56.0	
EVRAZ Regina - 409836	AE-136A	CL125 273	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	56.7	0.0	0.0	57.5	0.0	0.0	0.0	57.7	0.0	0.0	55.1	0.0	0.0	55.4	57.2	57.5	
EVRAZ Regina - 409836	AE-136A	CL125 273	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	55.5	0.0	0.0	55.5	0.0	0.0	55.7	55.5	55.8	
EVRAZ Regina - 409837	AE-136A	CL133 274	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.8	0.0	0.0	57.6	0.0	0.0	0.0	57.4	0.0	0.0	55.6	0.0	0.0	55.5	57.1	57.6	
EVRAZ Regina - 409837	AE-136A	CL133 274	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	55.2	0.0	0.0	55.8	0.0	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	55.7	55.6	55.8	
EVRAZ Regina - 409838	AE-136A	CK819 228	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.2	0.0	0.0	57.5	0.0	0.0	0.0	57.2	0.0	0.0	55.4	0.0	0.0	55.7	57.2	57.5	
EVRAZ Regina - 409838	AE-136A	CK819 228	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	54.5	0.0	0.0	55.7	0.0	0.0	0.0	55.2	0.0	0.0	55.4	0.0	0.0	55.8	54.9	55.7	
EVRAZ Regina - 409839	AE-136A	CK959 248	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	57.6	0.0	0.0	57.5	0.0	0.0	0.0	58.1	0.0	0.0	56.8	0.0	0.0	56.0	57.9	57.5	
EVRAZ Regina - 409839	AE-136A	CK959 248	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.1	0.0	0.0	55.9	0.0	0.0	0.0	55.5	0.0	0.0	56.6	0.0	0.0	56.6	55.8	55.9	
EVRAZ Regina - 409894	AE-136A	CL002 255	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.0	0.0	0.0	57.4	0.0	0.0	0.0	57.4	0.0	0.0	56.1	0.0	0.0	56.1	57.2	57.4	
EVRAZ Regina - 409894	AE-136A	CL002 255	MILL CONTROL	Rockwell A	OK	ID	57.3	0.0	0.0	54.8	0.0	0.0	56.0	0.0	0.0	0.0	55.1	0.0	0.0	56.9	0.0	0.0	57.1	55.0	56.0	
EVRAZ Regina - 409895	AE-136A	CK990 253	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	54.3	0.0	0.0	56.6	0.0	0.0	0.0	56.3	0.0	0.0	54.9	0.0	0.0	54.5	55.3	56.6	
EVRAZ Regina - 409895	AE-136A	CK990 253	MILL CONTROL	Rockwell A	OK	ID	54.4	0.0	0.0	52.7	0.0	0.0	55.2	0.0	0.0	0.0	53.0	0.0	0.0	54.9	0.0	0.0	54.7	52.9	55.2	
EVRAZ Regina - 528243	AE-134D	CJ486 633	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.7	0.0	0.0	58.9	0.0	0.0	0.0	58.3	0.0	0.0	55.4	0.0	0.0	55.1	58.0	58.9	
EVRAZ Regina - 528243	AE-134D	CJ486 633	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.1	0.0	0.0	55.4	0.0	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	56.1	54.3	55.4	
EVRAZ Regina - 528244	AE-134D	CJ432 552	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	56.9	0.0	0.0	57.4	0.0	0.0	0.0	57.5	0.0	0.0	54.8	0.0	0.0	55.4	57.2	57.4	
EVRAZ Regina - 528244	AE-134D	CJ432 552	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	49.9	0.0	0.0	54.6	0.0	0.0	0.0	53.4	0.0	0.0	55.2	0.0	0.0	55.0	51.7	54.6	
EVRAZ Regina - 528245	AE-134D	CJ592 790	MILL CONTROL	Rockwell A	OK	OD	55.2	0.0	0.0	58.1	0.0	0.0	58.4	0.0	0.0	0.0	58.6	0.0	0.0	55.4	0.0	0.0	55.3	58.4	58.4	
EVRAZ Regina - 528245	AE-134D	CJ592 790	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	0.0	55.4	0.0	0.0	55.0	0.0	0.0	55.2	55.5	55.8	
EVRAZ Regina - 528246	AE-134D	CJ426 543	MILL CONTROL	Rockwell A	OK	OD	50.9	0.0	0.0	57.5	0.0	0.0	58.7	0.0	0.0	0.0	58.0	0.0	0.0	55.6	0.0	0.0	53.3	57.8	58.7	
EVRAZ Regina - 528246	AE-134D	CJ426 543	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.4	0.0	0.0	56.6	0.0	0.0	0.0	56.2	0.0	0.0	56.3	0.0	0.0	56.1	55.3	56.6	
EVRAZ Regina - 528247	AE-134D	CJ472 612	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	55.8	0.0	0.0	57.4	0.0	0.0	0.0	57.3	0.0	0.0	55.1	0.0	0.0	55.3	56.6	57.4	
EVRAZ Regina - 528247	AE-134D	CJ472 612	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	53.0	0.0	0.0	55.2	0.0	0.0	0.0	53.4	0.0	0.0	54.9	0.0	0.0	55.0	53.2	55.2	
EVRAZ Regina - 528276	AE-134D	CJ510 668	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	58.5	0.0	0.0	59.1	0.0	0.0	0.0	59.2	0.0	0.0	56.4	0.0	0.0	56.6	58.9	59.1	
EVRAZ Regina - 528276	AE-134D	CJ510 668	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	55.1	0.0	0.0	56.6	0.0	0.0	0.0	55.0	0.0	0.0	56.7	0.0	0.0	56.7	55.1	56.6	
EVRAZ Regina - 528277	AE-134D	CJ445 572	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.8	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.3	0.0	0.0	56.4	58.1	58.6	
EVRAZ Regina - 528277	AE-134D	CJ445 572	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	0.0	54.0	0.0	0.0	56.3	0.0	0.0	56.3	54.0	55.9	
EVRAZ Regina - 528278	AE-134D	CJ484 630	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	55.3	0.0	0.0	57.3	0.0	0.0	0.0	57.3	0.0	0.0	55.3	0.0	0.0	55.5	56.3	57.3	
EVRAZ Regina - 528278	AE-134D	CJ484 630	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	52.3	0.0	0.0	54.7	0.0	0.0	0.0	53.2	0.0	0.0	55.3	0.0	0.0	55.2	52.8	54.7	
EVRAZ Regina - 528279	AE-134D	CJ568 755	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.4	0.0	0.0	57.2	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.8	57.4	57.2	
EVRA																										

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ			
EVRAZ Regina - 528317	AE-134D	CJ541 714	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.8	0.0	0.0	59.0	0.0	0.0	0.0	58.2	0.0	0.0	55.9	0.0	0.0	56.0	58.5	59.0		
EVRAZ Regina - 528317	AE-134D	CJ541 714	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	56.8	0.0	0.0	56.1	0.0	0.0	0.0	53.8	0.0	0.0	55.6	0.0	0.0	55.7	55.3	56.1		
EVRAZ Regina - 528318	AE-134D	CJ504 659	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	56.8	0.0	0.0	53.6	0.0	0.0	0.0	57.1	0.0	0.0	54.8	0.0	0.0	55.4	57.0	53.6		
EVRAZ Regina - 528318	AE-134D	CJ504 659	MILL CONTROL	Rockwell A	OK	ID	53.9	0.0	0.0	53.9	0.0	0.0	52.3	0.0	0.0	0.0	52.6	0.0	0.0	54.5	0.0	0.0	54.2	53.3	52.3		
EVRAZ Regina - 528319	AE-134D	CJ522 686	MILL CONTROL	Rockwell A	OK	OD	55.5	0.0	0.0	58.6	0.0	0.0	58.6	0.0	0.0	0.0	58.6	0.0	0.0	55.9	0.0	0.0	55.7	58.6	58.6		
EVRAZ Regina - 528319	AE-134D	CJ522 686	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.8	0.0	0.0	56.4	0.0	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	55.7	55.1	56.4		
EVRAZ Regina - 528320	AE-134D	CJ563 747	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.1	0.0	0.0	58.3	0.0	0.0	0.0	58.2	0.0	0.0	56.0	0.0	0.0	56.1	57.7	58.3		
EVRAZ Regina - 528320	AE-134D	CJ563 747	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.4	0.0	0.0	56.2	0.0	0.0	0.0	56.2	0.0	0.0	56.4	0.0	0.0	56.2	55.3	56.2		
EVRAZ Regina - 528321	AE-134D	CJ529 697	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	58.1	0.0	0.0	58.3	0.0	0.0	0.0	59.0	0.0	0.0	57.0	0.0	0.0	56.4	58.6	58.3		
EVRAZ Regina - 528321	AE-134D	CJ529 697	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	55.0	0.0	0.0	56.7	0.0	0.0	0.0	56.1	0.0	0.0	57.0	0.0	0.0	56.7	55.6	56.7		
EVRAZ Regina - 528346	AE-134D	CJ661 889	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.4	0.0	0.0	59.1	0.0	0.0	0.0	58.6	0.0	0.0	56.3	0.0	0.0	56.0	58.5	59.1		
EVRAZ Regina - 528346	AE-134D	CJ661 889	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.1	0.0	0.0	56.3	0.0	0.0	0.0	54.4	0.0	0.0	55.9	0.0	0.0	55.7	54.8	56.3		
EVRAZ Regina - 528347	AE-134D	CJ588 784	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	58.4	0.0	0.0	58.8	0.0	0.0	0.0	58.6	0.0	0.0	56.4	0.0	0.0	56.3	58.5	58.8		
EVRAZ Regina - 528347	AE-134D	CJ588 784	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.6	0.0	0.0	56.7	0.0	0.0	0.0	55.1	0.0	0.0	55.6	0.0	0.0	55.5	55.4	56.7		
EVRAZ Regina - 528348	AE-134D	CJ606 810	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	58.0	0.0	0.0	58.4	0.0	0.0	0.0	58.4	0.0	0.0	57.0	0.0	0.0	56.8	58.2	58.4		
EVRAZ Regina - 528348	AE-134D	CJ606 810	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	54.8	0.0	0.0	56.0	0.0	0.0	0.0	55.9	0.0	0.0	56.7	0.0	0.0	56.4	55.4	56.0		
EVRAZ Regina - 528349	AE-134D	CJ622 834	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	56.8	0.0	0.0	57.7	0.0	0.0	0.0	58.3	0.0	0.0	56.8	0.0	0.0	56.5	57.6	57.7		
EVRAZ Regina - 528349	AE-134D	CJ622 834	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	54.0	0.0	0.0	55.7	0.0	0.0	0.0	54.1	0.0	0.0	56.1	0.0	0.0	56.0	54.1	55.7		
EVRAZ Regina - 528350	AE-134D	CJ535 705	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.3	0.0	0.0	57.7	0.0	0.0	0.0	58.0	0.0	0.0	56.5	0.0	0.0	56.3	57.7	57.7		
EVRAZ Regina - 528350	AE-134D	CJ535 705	MILL CONTROL	Rockwell A	OK	ID	56.1	0.0	0.0	54.3	0.0	0.0	55.8	0.0	0.0	0.0	56.5	0.0	0.0	55.8	0.0	0.0	56.0	55.4	55.8		
EVRAZ Regina - 528424	AE-134D	CJ745 101	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	57.3	0.0	0.0	58.1	0.0	0.0	0.0	58.3	0.0	0.0	55.6	0.0	0.0	56.2	57.8	58.1		
EVRAZ Regina - 528424	AE-134D	CJ745 101	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	56.5	0.0	0.0	56.6	0.0	0.0	0.0	56.5	0.0	0.0	56.5	0.0	0.0	56.7	56.5	56.6		
EVRAZ Regina - 528425	AE-134D	CJ620 831	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	57.3	0.0	0.0	57.7	0.0	0.0	0.0	57.3	0.0	0.0	55.9	0.0	0.0	55.9	57.3	57.7		
EVRAZ Regina - 528425	AE-134D	CJ620 831	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	54.9	0.0	0.0	55.6	0.0	0.0	0.0	54.6	0.0	0.0	56.2	0.0	0.0	56.4	54.8	55.6		
EVRAZ Regina - 528426	AE-134D	CJ654 879	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	57.7	0.0	0.0	57.9	0.0	0.0	0.0	58.3	0.0	0.0	56.9	0.0	0.0	55.6	58.0	57.9		
EVRAZ Regina - 528426	AE-134D	CJ654 879	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.4	0.0	0.0	56.0	0.0	0.0	0.0	54.0	0.0	0.0	55.9	0.0	0.0	55.8	54.7	56.0		
EVRAZ Regina - 528427	AE-134D	CJ628 843	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	58.0	0.0	0.0	58.5	0.0	0.0	0.0	58.2	0.0	0.0	56.3	0.0	0.0	56.1	58.1	58.5		
EVRAZ Regina - 528427	AE-134D	CJ628 843	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.0	0.0	0.0	56.3	0.0	0.0	0.0	54.5	0.0	0.0	55.9	0.0	0.0	56.0	54.8	56.3		
EVRAZ Regina - 528457	AE-134D	CJ782 106	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.5	0.0	0.0	58.3	0.0	0.0	0.0	57.9	0.0	0.0	56.7	0.0	0.0	56.5	57.7	58.3		
EVRAZ Regina - 528457	AE-134D	CJ782 106	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.2	0.0	0.0	56.8	0.0	0.0	0.0	54.1	0.0	0.0	56.5	0.0	0.0	56.2	54.2	56.8		
EVRAZ Regina - 528458	AE-134D	CJ753 101	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	54.4	0.0	0.0	58.2	0.0	0.0	0.0	58.1	0.0	0.0	55.4	0.0	0.0	55.3	56.3	58.2		
EVRAZ Regina - 528458	AE-134D	CJ753 102	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	53.6	0.0	0.0	55.8	0.0	0.0	0.0	55.6	0.0	0.0	55.4	0.0	0.0	55.5	54.6	55.8		
EVRAZ Regina - 528459	AE-134D	CJ763 103	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.9	0.0	0.0	58.1	0.0	0.0	0.0	57.9	0.0	0.0	56.7	0.0	0.0	56.5	57.9	58.1		
EVRAZ Regina - 528459	AE-134D	CJ763 103	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	56.8	0.0	0.0	57.2	0.0	0.0	0.0	56.2	0.0	0.0	55.0	0.0	0.0	55.5	56.5	57.2		
EVRAZ Regina - 528477	AE-134D	CJ691 932	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	58.3	0.0	0.0	58.2	0.0	0.0	0.0	57.6	0.0	0.0	56.6	0.0	0.0	56.3	58.0	58.2		
EVRAZ Regina - 528477	AE-134D	CJ691 932	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	55.4	0.0	0.0	56.4	0.0	0.0	0.0	53.9	0.0	0.0	55.9	0.0	0.0	55.8	54.7	56.4		
EVRAZ Regina - 528478	AE-134D	CJ806 110	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.0	0.0	0.0	59.0	0.0	0.0	0.0	59.0	0.0	0.0	55.1	0.0	0.0	55.7	58.0	59.0		
EVRAZ Regina - 528478	AE-134D	CJ806 110	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.7	0.0	0.0	59.1	0.0	0.0	0.0	56.7	0.0	0.0	55.7	0.0	0.0	55.9	56.2	59.1		
EVRAZ Regina - 528479	AE-134D	CJ700 945	MILL CONTROL	Rockwell A	OK	OD	54.9	0.0	0.0	58.5	0.0	0.0	58.5	0.0	0.0	0.0	57.9	0.0	0.0	56.6	0.0	0.0	55.8	58.2	58.5		
EVRAZ Regina - 528479	AE-134D	CJ700 945	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	55.8	0.0	0.0	56.9	0.0	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	55.3	55.3	56.9		
EVRAZ Regina - 528480	AE-134D	CJ670 902	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	58.7	0.0	0.0	58.7	0.0	0.0	0.0	59.0	0.0	0.0	55.6	0.0	0.0	55.5	58.9	58.7		
EVRAZ Regina - 528480	AE-134D	CJ670 902	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	0.0	55.7	0.0	0.0	55.8	0.0	0.0	55.5	55.1	56.7		
EVRAZ Regina - 528481	AE-134D	CJ684 921	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	57.9	0.0	0.0	58.6	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.5	58.1	58.6		
EVRAZ Regina - 528481	AE-134D	CJ684 921	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.7	0.0	0.0	55.5	0.0	0.0	0.0	53.5	0.0	0.0	55.4	0.0	0.0	55.4	54.1	55.5		
EVRAZ Regina - 528481	AE-134D	CJ897 123	SHIFT CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.1	0.0	0.0	57.6	0.0	0.0	0.0	57.6	0.0	0.0	57.1	0.0	0.0	56.6	57.4	57.6		
EVRAZ Regina - 528481	AE-134D	CJ897 123	SHIFT CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	0.0	56.2	0.0	0.0	55.8	0.0	0.0	55.8	56.0	55.9		
EVRAZ Regina - 528482	AE-134D	CJ689 929	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.3	0.0	0.0	57.8	0.0	0.0	0.0	57.8	0.0	0.0	55.9	0.0	0.0	55.4	57.6	57.8		
EVRAZ Regina - 528482	AE-134D	CJ689 929	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	53.4	0.0	0.0	55.5	0.0	0.0	0.0	53.4	0.0	0.0	54.7	0.0	0.0	54.6	53.4	55.5		
EVRAZ Regina - 528483	AE-134D	CJ687 926	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.7	0.0	0.0	57.8	0.0	0.0	0.0	57.1	0.0	0.0	55.9	0.0	0.0	55.5	57.4	57.8		
EVRAZ Regina - 528483	AE-134D	CJ687 926	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	54.6	0.0	0.0	55.7	0.0	0.0	0.0	53.1	0.0	0.0	54.9	0.0	0.0	55.0	53.9	55.7		
EVRAZ Regina - 528533	AE-134D	CJ811 110	MILL CONTROL	Rockwell A	OK																						

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ		
EVRAZ Regina - 528535	AE-134D	CJ874 120	MILL CONTROL	Rockwell A	OK	ID	52.4	0.0	0.0	55.4	0.0	0.0	56.6	0.0	0.0	56.5	0.0	0.0	56.7	0.0	0.0	54.6	56.0	56.6		
EVRAZ Regina - 528539	AE-134D	CJ858 117	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.0	0.0	0.0	58.2	0.0	0.0	57.6	0.0	0.0	56.6	0.0	0.0	56.1	57.8	58.2		
EVRAZ Regina - 528539	AE-134D	CJ858 117	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.1	0.0	0.0	56.2	0.0	0.0	53.7	0.0	0.0	55.8	0.0	0.0	55.6	54.4	56.2		
EVRAZ Regina - 528539	AE-134D	CJ863 118	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	55.8	0.0	0.0	58.2	0.0	0.0	58.0	0.0	0.0	56.2	0.0	0.0	56.1	56.9	58.2		
EVRAZ Regina - 528539	AE-134D	CJ863 118	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	56.1	0.0	0.0	56.3	0.0	0.0	56.7	0.0	0.0	56.1	0.0	0.0	55.6	56.4	56.3		
EVRAZ Regina - 528540	AE-134D	CJ926 127	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	57.6	0.0	0.0	58.1	0.0	0.0	57.9	0.0	0.0	56.8	0.0	0.0	56.3	57.8	58.1		
EVRAZ Regina - 528540	AE-134D	CJ926 127	MILL CONTROL	Rockwell A	OK	ID	53.0	0.0	0.0	54.2	0.0	0.0	56.1	0.0	0.0	53.7	0.0	0.0	56.1	0.0	0.0	54.6	54.0	56.1		
EVRAZ Regina - 528541	AE-134D	CJ899 123	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.3	0.0	0.0	58.8	0.0	0.0	57.6	0.0	0.0	56.0	0.0	0.0	56.0	57.5	58.8		
EVRAZ Regina - 528541	AE-134D	CJ899 123	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.9	0.0	0.0	55.8	0.0	0.0	54.5	0.0	0.0	56.3	0.0	0.0	56.2	54.7	55.8		
EVRAZ Regina - 528542	AE-134D	CJ934 129	MILL CONTROL	Rockwell A	OK	OD	55.8	0.0	0.0	57.5	0.0	0.0	58.9	0.0	0.0	57.8	0.0	0.0	56.6	0.0	0.0	56.2	57.7	58.9		
EVRAZ Regina - 528542	AE-134D	CJ934 129	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.7	0.0	0.0	56.7	0.0	0.0	54.4	0.0	0.0	55.8	0.0	0.0	55.3	54.6	56.7		
EVRAZ Regina - 528543	AE-134D	CJ751 102	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	56.8	0.0	0.0	58.1	0.0	0.0	57.9	0.0	0.0	56.4	0.0	0.0	56.6	57.4	58.1		
EVRAZ Regina - 528543	AE-134D	CJ751 102	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	56.6	0.0	0.0	56.4	0.0	0.0	56.2	55.6	56.7		
EVRAZ Regina - 528544	AE-134D	CJ906 124	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	59.1	0.0	0.0	58.7	0.0	0.0	58.9	0.0	0.0	57.7	0.0	0.0	57.2	59.0	58.7		
EVRAZ Regina - 528544	AE-134D	CJ906 124	MILL CONTROL	Rockwell A	OK	ID	56.8	0.0	0.0	56.0	0.0	0.0	56.9	0.0	0.0	56.8	0.0	0.0	57.6	0.0	0.0	57.2	56.4	56.9		
EVRAZ Regina - 528545	AE-134D	CJ851 116	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	56.6	0.0	0.0	57.3	0.0	0.0	57.4	0.0	0.0	53.7	0.0	0.0	55.0	57.0	57.3		
EVRAZ Regina - 528545	AE-134D	CJ851 116	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	52.1	0.0	0.0	55.6	0.0	0.0	55.1	0.0	0.0	55.1	0.0	0.0	55.1	53.6	55.6		
EVRAZ Regina - 528592	AE-134D	CK245 165	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	58.8	0.0	0.0	58.8	0.0	0.0	56.5	0.0	0.0	56.5	0.0	0.0	56.6	57.7	58.8		
EVRAZ Regina - 528592	AE-134D	CK245 165	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	55.7	0.0	0.0	56.5	0.0	0.0	54.4	0.0	0.0	56.4	0.0	0.0	56.7	55.1	56.5		
EVRAZ Regina - 528593	AE-134D	CJ924 127	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	58.4	0.0	0.0	58.4	0.0	0.0	58.3	0.0	0.0	57.0	0.0	0.0	56.5	58.4	58.4		
EVRAZ Regina - 528593	AE-134D	CJ924 127	MILL CONTROL	Rockwell A	OK	ID	56.3	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	55.3	0.0	0.0	56.2	0.0	0.0	56.3	55.3	56.0		
EVRAZ Regina - 528594	AE-134D	CK317 176	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	57.6	0.0	0.0	58.1	0.0	0.0	57.7	0.0	0.0	55.0	0.0	0.0	55.7	57.7	58.1		
EVRAZ Regina - 528594	AE-134D	CK317 176	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	54.0	0.0	0.0	55.3	0.0	0.0	53.0	0.0	0.0	55.9	0.0	0.0	55.9	53.5	55.3		
EVRAZ Regina - 528595	AE-134D	CK052 137	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	58.1	0.0	0.0	59.0	0.0	0.0	59.0	0.0	0.0	56.8	0.0	0.0	56.4	58.6	59.0		
EVRAZ Regina - 528595	AE-134D	CK052 137	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	57.1	0.0	0.0	57.5	0.0	0.0	55.4	0.0	0.0	57.0	0.0	0.0	56.8	56.3	57.5		
EVRAZ Regina - 528596	AE-134D	CK270 169	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	58.4	0.0	0.0	58.4	0.0	0.0	58.0	0.0	0.0	55.7	0.0	0.0	56.3	58.2	58.4		
EVRAZ Regina - 528596	AE-134D	CK270 169	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	54.7	0.0	0.0	56.2	0.0	0.0	54.8	0.0	0.0	56.5	0.0	0.0	56.7	54.8	56.2		
EVRAZ Regina - 528597	AE-134D	CK108 145	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	58.0	0.0	0.0	58.9	0.0	0.0	58.5	0.0	0.0	56.9	0.0	0.0	56.5	58.3	58.9		
EVRAZ Regina - 528597	AE-134D	CK108 145	MILL CONTROL	Rockwell A	OK	ID	57.3	0.0	0.0	53.6	0.0	0.0	56.2	0.0	0.0	55.1	0.0	0.0	57.3	0.0	0.0	57.3	54.4	56.2		
EVRAZ Regina - 528632	AE-134D	CK130 148	MILL CONTROL	Rockwell A	OK	OD	47.9	0.0	0.0	54.4	0.0	0.0	58.8	0.0	0.0	59.8	0.0	0.0	56.6	0.0	0.0	52.3	57.1	58.8		
EVRAZ Regina - 528632	AE-134D	CK130 148	MILL CONTROL	Rockwell A	OK	ID	52.9	0.0	0.0	55.8	0.0	0.0	57.3	0.0	0.0	57.4	0.0	0.0	57.8	0.0	0.0	55.4	56.6	57.3		
EVRAZ Regina - 528633	AE-134D	CK138 149	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	58.3	0.0	0.0	58.5	0.0	0.0	56.0	0.0	0.0	56.4	0.0	0.0	56.5	57.2	58.5		
EVRAZ Regina - 528633	AE-134D	CK138 149	MILL CONTROL	Rockwell A	OK	ID	56.9	0.0	0.0	56.9	0.0	0.0	57.2	0.0	0.0	55.9	0.0	0.0	57.2	0.0	0.0	57.1	56.4	57.2		
EVRAZ Regina - 528634	AE-134D	CK045 136	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.4	0.0	0.0	58.3	0.0	0.0	57.2	0.0	0.0	55.9	0.0	0.0	56.1	57.3	58.3		
EVRAZ Regina - 528634	AE-134D	CK045 136	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	54.5	0.0	0.0	56.2	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	55.4	54.4	56.2		
EVRAZ Regina - 528635	AE-134D	CK065 139	MILL CONTROL	Rockwell A	OK	OD	48.8	0.0	0.0	52.1	0.0	0.0	57.1	0.0	0.0	57.8	0.0	0.0	53.1	0.0	0.0	51.0	55.0	57.1		
EVRAZ Regina - 528635	AE-134D	CK065 139	MILL CONTROL	Rockwell A	OK	ID	47.5	0.0	0.0	53.8	0.0	0.0	55.5	0.0	0.0	55.8	0.0	0.0	52.1	0.0	0.0	49.8	54.8	55.5		
EVRAZ Regina - 528636	AE-134D	CK183 156	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.0	0.0	0.0	58.0	0.0	0.0	57.6	0.0	0.0	55.5	0.0	0.0	55.4	57.3	58.0		
EVRAZ Regina - 528636	AE-134D	CK183 156	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	53.3	0.0	0.0	55.4	0.0	0.0	53.6	0.0	0.0	55.4	0.0	0.0	55.3	53.5	55.4		
EVRAZ Regina - 528637	AE-134D	CK250 166	MILL CONTROL	Rockwell A	OK	OD	53.6	0.0	0.0	53.9	0.0	0.0	57.6	0.0	0.0	57.1	0.0	0.0	55.4	0.0	0.0	54.5	55.5	57.6		
EVRAZ Regina - 528637	AE-134D	CK250 166	MILL CONTROL	Rockwell A	OK	ID	53.4	0.0	0.0	53.4	0.0	0.0	55.4	0.0	0.0	53.2	0.0	0.0	54.1	0.0	0.0	53.8	53.3	55.4		
EVRAZ Regina - 528638	AE-134D	CK139 150	MILL CONTROL	Rockwell A	OK	OD	55.7	0.0	0.0	58.4	0.0	0.0	57.9	0.0	0.0	57.5	0.0	0.0	56.1	0.0	0.0	55.9	58.0	57.9		
EVRAZ Regina - 528638	AE-134D	CK139 150	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	54.5	0.0	0.0	56.2	0.0	0.0	54.1	0.0	0.0	55.8	0.0	0.0	55.6	54.3	56.2		
EVRAZ Regina - 528639	AE-134D	CK275 170	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.3	0.0	0.0	58.4	0.0	0.0	58.1	0.0	0.0	56.7	0.0	0.0	56.6	57.7	58.4		
EVRAZ Regina - 528639	AE-134D	CK275 170	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	54.4	0.0	0.0	55.5	0.0	0.0	54.5	0.0	0.0	56.7	0.0	0.0	56.3	54.5	55.5		
EVRAZ Regina - 528639	AE-134D	CK368 183	MILL CONTROL	Rockwell A	OK	OD	57.2	0.0	0.0	58.2	0.0	0.0	57.6	0.0	0.0	55.4	0.0	0.0	55.6	0.0	0.0	56.4	56.8	57.6		
EVRAZ Regina - 528639	AE-134D	CK368 183	MILL CONTROL	Rockwell A	OK	ID	57.1	0.0	0.0	55.8	0.0	0.0	55.9	0.0	0.0	54.5	0.0	0.0	56.4	0.0	0.0	56.8	55.2	55.9		
EVRAZ Regina - 528679	AE-134D	CK338 179	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.0	0.0	0.0	57.6	0.0	0.0	57.6	0.0	0.0	55.0	0.0	0.0	55.0	57.3	57.6		
EVRAZ Regina - 528679	AE-134D	CK338 179	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	53.5	0.0	0.0	54.7	0.0	0.0	55.0	0.0	0.0	55.0	0.0	0.0	55.0	54.3	54.7		
EVRAZ Regina - 528680	AE-134D	CK225 163	MILL CONTROL	Rockwell A	OK	OD	53.5	0.0	0.0	56.5	0.0	0.0	57.9	0.0	0.0	58.3	0.0	0.0	57.0	0.0	0.0	55.3	57.4	57.9		
EVRAZ Regina - 528680	AE-134D	CK225 163	MILL CONTROL	Rockwell A	OK	ID	51.9	0.0	0.0	55.0	0.0	0.0	56.2	0.0	0.0	54.8	0.0	0.0	55.1	0.0	0.0	53.5	54.9	56.2		
EVRAZ Regina - 528681	AE-134D	CK285 171	MILL CONTROL	Rockwell A	OK	OD	56.9	0.0	0.0	58.3	0.0	0.0	58.8	0.0	0.0	57.0	0.0	0.0	55.2	0.0	0.0	56.1	57.7	58.8		
EVRA																										

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ		
EVRAZ Regina - 528682	AE-136A	CK869 236	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.1	0.0	0.0	57.8	0.0	0.0	0.0	57.5	0.0	0.0	55.5	0.0	0.0	55.2	57.3	57.8	
EVRAZ Regina - 528682	AE-136A	CK869 236	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	53.9	0.0	0.0	55.1	0.0	0.0	0.0	54.1	0.0	0.0	56.2	0.0	0.0	55.9	54.0	55.1	
EVRAZ Regina - 528683	AE-134D	CK189 157	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	56.9	0.0	0.0	58.6	0.0	0.0	0.0	57.3	0.0	0.0	56.0	0.0	0.0	55.8	57.1	58.6	
EVRAZ Regina - 528683	AE-134D	CK189 157	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	53.9	0.0	0.0	55.8	0.0	0.0	0.0	54.0	0.0	0.0	54.8	0.0	0.0	55.3	54.0	55.8	
EVRAZ Regina - 528725	AE-134D	CK297 173	MILL CONTROL	Rockwell A	OK	OD	56.0	0.0	0.0	57.4	0.0	0.0	58.3	0.0	0.0	0.0	57.9	0.0	0.0	56.6	0.0	0.0	56.3	57.7	58.3	
EVRAZ Regina - 528725	AE-134D	CK297 173	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.2	0.0	0.0	55.8	0.0	0.0	0.0	53.9	0.0	0.0	55.7	0.0	0.0	55.6	54.1	55.8	
EVRAZ Regina - 528726	AE-134D	CK199 159	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.3	0.0	0.0	57.7	0.0	0.0	0.0	57.7	0.0	0.0	55.9	0.0	0.0	55.5	57.5	57.7	
EVRAZ Regina - 528726	AE-134D	CK199 159	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	56.2	0.0	0.0	56.5	0.0	0.0	0.0	55.7	0.0	0.0	56.5	0.0	0.0	56.1	56.0	56.5	
EVRAZ Regina - 528727	AE-134D	CK340 179	MILL CONTROL	Rockwell A	OK	OD	55.1	0.0	0.0	57.4	0.0	0.0	58.5	0.0	0.0	0.0	58.4	0.0	0.0	56.1	0.0	0.0	55.6	57.9	58.5	
EVRAZ Regina - 528727	AE-134D	CK340 179	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	54.7	0.0	0.0	56.0	0.0	0.0	0.0	56.4	0.0	0.0	56.1	0.0	0.0	56.1	55.6	56.0	
EVRAZ Regina - 528728	AE-134D	CK261 168	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	49.9	0.0	0.0	56.9	0.0	0.0	0.0	57.2	0.0	0.0	54.7	0.0	0.0	55.2	53.6	56.9	
EVRAZ Regina - 528728	AE-134D	CK261 168	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.9	0.0	0.0	55.9	0.0	0.0	0.0	55.2	0.0	0.0	56.3	0.0	0.0	55.9	55.6	55.9	
EVRAZ Regina - 528729	AE-134D	CK281 171	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.5	0.0	0.0	57.8	0.0	0.0	0.0	57.4	0.0	0.0	55.9	0.0	0.0	55.8	57.5	57.8	
EVRAZ Regina - 528729	AE-134D	CK281 171	MILL CONTROL	Rockwell A	OK	ID	54.7	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	0.0	53.5	0.0	0.0	55.5	0.0	0.0	55.1	53.9	55.6	
EVRAZ Regina - 528768	AE-134D	CK487 201	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	56.1	0.0	0.0	57.8	0.0	0.0	0.0	56.4	0.0	0.0	53.8	0.0	0.0	54.0	56.3	57.8	
EVRAZ Regina - 528768	AE-134D	CK487 201	MILL CONTROL	Rockwell A	OK	ID	53.0	0.0	0.0	53.2	0.0	0.0	55.5	0.0	0.0	0.0	53.1	0.0	0.0	54.4	0.0	0.0	53.7	53.2	55.5	
EVRAZ Regina - 528769	AE-134D	CK586 216	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	58.3	0.0	0.0	58.0	0.0	0.0	0.0	55.7	0.0	0.0	56.3	0.0	0.0	55.6	57.0	58.0	
EVRAZ Regina - 528769	AE-134D	CK586 216	MILL CONTROL	Rockwell A	OK	ID	53.6	0.0	0.0	55.1	0.0	0.0	55.7	0.0	0.0	0.0	54.0	0.0	0.0	55.7	0.0	0.0	54.7	54.6	55.7	
EVRAZ Regina - 528772	AE-134D	CK408 189	MILL CONTROL	Rockwell A	OK	OD	57.6	0.0	0.0	59.4	0.0	0.0	59.5	0.0	0.0	0.0	58.2	0.0	0.0	57.0	0.0	0.0	57.3	58.8	59.5	
EVRAZ Regina - 528772	AE-134D	CK408 189	MILL CONTROL	Rockwell A	OK	ID	57.7	0.0	0.0	56.9	0.0	0.0	57.3	0.0	0.0	0.0	55.0	0.0	0.0	57.1	0.0	0.0	57.4	56.0	57.3	
EVRAZ Regina - 528773	AE-134D	CK398 188	MILL CONTROL	Rockwell A	OK	OD	51.5	0.0	0.0	52.8	0.0	0.0	57.3	0.0	0.0	0.0	55.6	0.0	0.0	53.9	0.0	0.0	52.7	54.2	57.3	
EVRAZ Regina - 528773	AE-134D	CK398 188	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	55.3	0.0	0.0	56.4	0.0	0.0	0.0	55.2	0.0	0.0	56.7	0.0	0.0	56.1	55.3	56.4	
EVRAZ Regina - 528807	AE-134D	CK503 204	MILL CONTROL	Rockwell A	OK	OD	53.7	0.0	0.0	54.4	0.0	0.0	56.6	0.0	0.0	0.0	56.8	0.0	0.0	54.3	0.0	0.0	54.0	55.6	56.6	
EVRAZ Regina - 528807	AE-134D	CK503 204	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	51.9	0.0	0.0	54.3	0.0	0.0	0.0	53.6	0.0	0.0	54.0	0.0	0.0	54.2	52.8	54.3	
EVRAZ Regina - 528808	AE-134D	CK427 192	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.9	0.0	0.0	58.1	0.0	0.0	0.0	56.9	0.0	0.0	56.5	0.0	0.0	56.3	57.9	58.1	
EVRAZ Regina - 528808	AE-134D	CK427 192	MILL CONTROL	Rockwell A	OK	ID	56.8	0.0	0.0	55.5	0.0	0.0	55.9	0.0	0.0	0.0	54.9	0.0	0.0	56.3	0.0	0.0	56.6	55.2	55.9	
EVRAZ Regina - 528809	AE-134D	CK389 187	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.2	0.0	0.0	58.7	0.0	0.0	0.0	56.9	0.0	0.0	56.0	0.0	0.0	55.7	57.1	58.7	
EVRAZ Regina - 528809	AE-134D	CK389 187	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.3	0.0	0.0	55.6	0.0	0.0	0.0	54.1	0.0	0.0	56.0	0.0	0.0	56.0	54.2	55.6	
EVRAZ Regina - 528809	AE-134D	CK481 200	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	57.8	0.0	0.0	58.2	0.0	0.0	0.0	58.2	0.0	0.0	55.9	0.0	0.0	56.1	58.0	58.2	
EVRAZ Regina - 528809	AE-134D	CK481 200	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.4	0.0	0.0	56.7	0.0	0.0	0.0	55.3	0.0	0.0	56.9	0.0	0.0	56.8	55.9	56.7	
EVRAZ Regina - 528810	AE-134D	CK399 188	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	57.9	0.0	0.0	58.1	0.0	0.0	0.0	56.5	0.0	0.0	56.1	0.0	0.0	55.8	57.2	58.1	
EVRAZ Regina - 528810	AE-134D	CK399 188	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	54.6	0.0	0.0	55.8	0.0	0.0	0.0	54.2	0.0	0.0	55.6	0.0	0.0	55.7	54.4	55.8	
EVRAZ Regina - 528811	AE-134D	CK414 190	MILL CONTROL	Rockwell A	OK	OD	56.3	0.0	0.0	57.9	0.0	0.0	57.9	0.0	0.0	0.0	58.3	0.0	0.0	56.5	0.0	0.0	56.4	58.1	57.9	
EVRAZ Regina - 528811	AE-134D	CK414 190	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.4	0.0	0.0	56.3	0.0	0.0	0.0	54.9	0.0	0.0	56.1	0.0	0.0	56.1	55.2	56.3	
EVRAZ Regina - 528812	AE-134D	CK436 194	MILL CONTROL	Rockwell A	OK	OD	57.5	0.0	0.0	57.4	0.0	0.0	58.0	0.0	0.0	0.0	58.2	0.0	0.0	56.9	0.0	0.0	57.2	57.8	58.0	
EVRAZ Regina - 528812	AE-134D	CK436 194	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.4	0.0	0.0	56.5	0.0	0.0	0.0	55.7	0.0	0.0	56.6	0.0	0.0	56.7	56.1	56.5	
EVRAZ Regina - 528853	AE-134D	CK593 217	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.0	0.0	0.0	58.9	0.0	0.0	0.0	56.4	0.0	0.0	56.9	0.0	0.0	56.5	57.2	58.9	
EVRAZ Regina - 528853	AE-134D	CK593 217	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	56.5	0.0	0.0	56.5	0.0	0.0	0.0	54.5	0.0	0.0	56.3	0.0	0.0	56.5	55.5	56.5	
EVRAZ Regina - 528853	AE-136A	CK870 236	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	57.5	0.0	0.0	58.2	0.0	0.0	0.0	56.5	0.0	0.0	56.0	0.0	0.0	56.1	57.0	58.2	
EVRAZ Regina - 528853	AE-136A	CK870 236	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	54.9	0.0	0.0	55.2	0.0	0.0	0.0	54.1	0.0	0.0	55.9	0.0	0.0	56.2	54.5	55.2	
EVRAZ Regina - 528854	AE-134D	CK562 212	MILL CONTROL	Rockwell A	OK	OD	56.6	0.0	0.0	58.0	0.0	0.0	57.8	0.0	0.0	0.0	56.3	0.0	0.0	56.5	0.0	0.0	56.6	57.2	57.8	
EVRAZ Regina - 528854	AE-134D	CK562 212	MILL CONTROL	Rockwell A	OK	ID	55.7	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	0.0	54.3	0.0	0.0	57.4	0.0	0.0	56.6	55.2	55.8	
EVRAZ Regina - 528854	AE-136A	CK809 227	MILL CONTROL	Rockwell A	OK	OD	53.1	0.0	0.0	53.7	0.0	0.0	56.8	0.0	0.0	0.0	57.1	0.0	0.0	53.6	0.0	0.0	53.4	55.4	56.8	
EVRAZ Regina - 528854	AE-136A	CK809 227	MILL CONTROL	Rockwell A	OK	ID	55.0	0.0	0.0	51.9	0.0	0.0	53.8	0.0	0.0	0.0	54.5	0.0	0.0	52.7	0.0	0.0	53.9	53.2	53.8	
EVRAZ Regina - 528855	AE-134D	CK606 219	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.5	0.0	0.0	57.5	0.0	0.0	0.0	55.6	0.0	0.0	55.5	0.0	0.0	55.4	56.6	57.5	
EVRAZ Regina - 528855	AE-134D	CK606 219	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	54.5	0.0	0.0	55.4	0.0	0.0	0.0	53.2	0.0	0.0	54.6	0.0	0.0	55.0	53.9	55.4	
EVRAZ Regina - 528864	AE-134D	CK527 207	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	58.2	0.0	0.0	58.9	0.0	0.0	0.0	57.5	0.0	0.0	56.4	0.0	0.0	56.3	57.9	58.9	
EVRAZ Regina - 528864	AE-134D	CK527 207	MILL CONTROL	Rockwell A	OK	ID	56.6	0.0	0.0	56.0	0.0	0.0	57.2	0.0	0.0	0.0	54.8	0.0	0.0	56.2	0.0	0.0	56.4	55.4	57.2	
EVRAZ Regina - 528865	AE-134D	CK458 197	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	58.1	0.0	0.0	58.7	0.0	0.0	0.0	58.6	0.0	0.0	56.6	0.0	0.0	56.3	58.4	58.7	
EVRAZ Regina - 528865	AE-134D	CK458 197	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	55.1	0.0	0.0	56.7	0.0	0.0	0.0	56.1	0.0	0.0	55.7	0.0	0.0	55.8	55.6	56.7	
EVRAZ Regina - 528865	AE-136A	CK902 240	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	58.1	0.0	0.0	58.3	0.0	0.0	0.0	58.1	0.0	0.0	56.1	0.0	0.0	55.9	58.1	58.3	
EVRAZ Regina - 528865	AE-136A	CK902 240	MILL CONTROL	Rockwell A	OK	ID	55.9	0.0	0.0	54.3	0.0	0.0	56.0	0.0	0.0	0.0	54.1	0.0	0.0	55.5	0.0	0.0	55.7	54.2	56.0	
EVRA																										

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ				
EVRAZ Regina - 528866	AE-136A	CK904 241	MILL CONTROL	Rockwell A	OK	ID	56.4	0.0	0.0	54.6	0.0	0.0	56.0	0.0	0.0	54.8	0.0	0.0	56.1	0.0	0.0	56.3	54.7	56.0				
EVRAZ Regina - 528867	AE-134D	CK599 218	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	57.7	0.0	0.0	58.1	0.0	0.0	56.5	0.0	0.0	56.1	0.0	0.0	55.7	57.1	58.1				
EVRAZ Regina - 528867	AE-134D	CK599 218	MILL CONTROL	Rockwell A	OK	ID	55.4	0.0	0.0	55.1	0.0	0.0	55.6	0.0	0.0	53.0	0.0	0.0	54.9	0.0	0.0	55.2	54.1	55.6				
EVRAZ Regina - 528867	AE-136A	CL111 271	MILL CONTROL	Rockwell A	OK	OD	55.0	0.0	0.0	57.0	0.0	0.0	57.6	0.0	0.0	56.9	0.0	0.0	54.5	0.0	0.0	54.8	57.0	57.6				
EVRAZ Regina - 528867	AE-136A	CL111 271	MILL CONTROL	Rockwell A	OK	ID	54.9	0.0	0.0	54.3	0.0	0.0	55.4	0.0	0.0	54.5	0.0	0.0	54.7	0.0	0.0	54.8	54.4	55.4				
EVRAZ Regina - 528868	AE-134D	CK551 211	MILL CONTROL	Rockwell A	OK	OD	54.2	0.0	0.0	54.3	0.0	0.0	57.3	0.0	0.0	56.8	0.0	0.0	49.0	0.0	0.0	51.6	55.6	57.3				
EVRAZ Regina - 528868	AE-134D	CK551 211	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	54.4	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	56.1	0.0	0.0	55.2	55.1	56.0				
EVRAZ Regina - 528885	AE-136A	CL015 257	MILL CONTROL	Rockwell A	OK	OD	56.5	0.0	0.0	57.7	0.0	0.0	57.9	0.0	0.0	57.6	0.0	0.0	56.1	0.0	0.0	56.3	57.7	57.9				
EVRAZ Regina - 528885	AE-136A	CL015 257	MILL CONTROL	Rockwell A	OK	ID	55.8	0.0	0.0	55.2	0.0	0.0	56.0	0.0	0.0	55.8	0.0	0.0	56.1	0.0	0.0	56.0	55.5	56.0				
EVRAZ Regina - 528886	AE-136A	CK987 253	MILL CONTROL	Rockwell A	OK	OD	49.4	0.0	0.0	54.1	0.0	0.0	56.5	0.0	0.0	56.9	0.0	0.0	45.2	0.0	0.0	47.3	55.5	56.5				
EVRAZ Regina - 528886	AE-136A	CK987 253	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	56.0	0.0	0.0	56.4	0.0	0.0	56.8	0.0	0.0	54.4	0.0	0.0	55.5	56.4	56.4				
EVRAZ Regina - 528887	AE-136A	CK829 230	MILL CONTROL	Rockwell A	OK	OD	53.0	0.0	0.0	54.9	0.0	0.0	56.8	0.0	0.0	56.1	0.0	0.0	51.6	0.0	0.0	52.3	55.5	56.8				
EVRAZ Regina - 528887	AE-136A	CK829 230	MILL CONTROL	Rockwell A	OK	ID	46.4	0.0	0.0	51.9	0.0	0.0	54.8	0.0	0.0	53.6	0.0	0.0	53.4	0.0	0.0	49.9	52.8	54.8				
EVRAZ Regina - 528888	AE-136A	CK812 227	MILL CONTROL	Rockwell A	OK	OD	55.9	0.0	0.0	55.4	0.0	0.0	56.9	0.0	0.0	56.7	0.0	0.0	54.1	0.0	0.0	55.0	56.1	56.9				
EVRAZ Regina - 528888	AE-136A	CK812 227	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	53.8	0.0	0.0	55.0	0.0	0.0	55.6	0.0	0.0	55.2	0.0	0.0	55.6	54.7	55.0				
EVRAZ Regina - 528915	AE-136A	CK937 245	MILL CONTROL	Rockwell A	OK	OD	51.8	0.0	0.0	51.7	0.0	0.0	56.6	0.0	0.0	56.6	0.0	0.0	49.1	0.0	0.0	50.5	54.2	56.6				
EVRAZ Regina - 528915	AE-136A	CK937 245	MILL CONTROL	Rockwell A	OK	ID	53.9	0.0	0.0	54.8	0.0	0.0	56.0	0.0	0.0	56.0	0.0	0.0	56.9	0.0	0.0	55.4	55.4	56.0				
EVRAZ Regina - 528916	AE-136A	CL060 263	MILL CONTROL	Rockwell A	OK	OD	50.2	0.0	0.0	48.0	0.0	0.0	56.4	0.0	0.0	56.5	0.0	0.0	49.4	0.0	0.0	49.8	52.3	56.4				
EVRAZ Regina - 528916	AE-136A	CL060 263	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	55.2	0.0	0.0	56.3	0.0	0.0	55.9	0.0	0.0	50.5	0.0	0.0	52.4	55.6	56.3				
EVRAZ Regina - 528918	AE-136A	CL037 260	MILL CONTROL	Rockwell A	OK	OD	56.7	0.0	0.0	57.1	0.0	0.0	57.5	0.0	0.0	57.5	0.0	0.0	56.1	0.0	0.0	56.4	57.3	57.5				
EVRAZ Regina - 528918	AE-136A	CL037 260	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	55.7	0.0	0.0	56.3	0.0	0.0	55.5	0.0	0.0	56.6	0.0	0.0	56.6	55.6	56.3				
EVRAZ Regina - 528919	AE-136A	CK919 243	MILL CONTROL	Rockwell A	OK	OD	49.0	0.0	0.0	53.3	0.0	0.0	58.5	0.0	0.0	58.8	0.0	0.0	55.3	0.0	0.0	52.2	56.1	58.5				
EVRAZ Regina - 528919	AE-136A	CK919 243	MILL CONTROL	Rockwell A	OK	ID	54.0	0.0	0.0	56.2	0.0	0.0	57.3	0.0	0.0	56.9	0.0	0.0	55.5	0.0	0.0	54.8	56.6	57.3				
EVRAZ Regina - 528920	AE-136A	CL085 267	MILL CONTROL	Rockwell A	OK	OD	54.8	0.0	0.0	57.0	0.0	0.0	57.5	0.0	0.0	57.6	0.0	0.0	55.0	0.0	0.0	54.9	57.3	57.5				
EVRAZ Regina - 528920	AE-136A	CL085 267	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	53.8	0.0	0.0	55.7	0.0	0.0	54.8	0.0	0.0	55.3	0.0	0.0	55.2	54.3	55.7				
EVRAZ Regina - 528948	AE-136A	CL050 262	MILL CONTROL	Rockwell A	OK	OD	50.4	0.0	0.0	58.0	0.0	0.0	58.5	0.0	0.0	58.8	0.0	0.0	55.5	0.0	0.0	53.0	58.4	58.5				
EVRAZ Regina - 528948	AE-136A	CL050 262	MILL CONTROL	Rockwell A	OK	ID	56.0	0.0	0.0	55.2	0.0	0.0	56.7	0.0	0.0	56.8	0.0	0.0	56.4	0.0	0.0	56.2	56.0	56.7				
EVRAZ Regina - 528949	AE-136A	CK877 237	MILL CONTROL	Rockwell A	OK	OD	56.2	0.0	0.0	55.4	0.0	0.0	56.8	0.0	0.0	56.5	0.0	0.0	55.8	0.0	0.0	56.0	56.0	56.8				
EVRAZ Regina - 528949	AE-136A	CK877 237	MILL CONTROL	Rockwell A	OK	ID	56.5	0.0	0.0	53.4	0.0	0.0	55.1	0.0	0.0	55.0	0.0	0.0	56.8	0.0	0.0	56.7	54.2	55.1				
EVRAZ Regina - 528950	AE-136A	CK909 241	MILL CONTROL	Rockwell A	OK	OD	55.6	0.0	0.0	57.6	0.0	0.0	57.5	0.0	0.0	57.5	0.0	0.0	56.6	0.0	0.0	56.1	57.6	57.5				
EVRAZ Regina - 528950	AE-136A	CK909 241	MILL CONTROL	Rockwell A	OK	ID	54.3	0.0	0.0	55.3	0.0	0.0	56.1	0.0	0.0	55.9	0.0	0.0	56.3	0.0	0.0	55.3	55.6	56.1				
EVRAZ Regina - 528951	AE-136A	CK938 246	MILL CONTROL	Rockwell A	OK	OD	54.4	0.0	0.0	56.3	0.0	0.0	58.2	0.0	0.0	58.5	0.0	0.0	55.5	0.0	0.0	55.0	57.4	58.2				
EVRAZ Regina - 528951	AE-136A	CK938 246	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.8	0.0	0.0	55.7	0.0	0.0	54.3	0.0	0.0	56.1	0.0	0.0	55.7	54.1	55.7				
EVRAZ Regina - 528952	AE-136A	CL012 256	MILL CONTROL	Rockwell A	OK	OD	56.1	0.0	0.0	55.5	0.0	0.0	58.1	0.0	0.0	58.1	0.0	0.0	55.5	0.0	0.0	55.8	56.8	58.1				
EVRAZ Regina - 528952	AE-136A	CL012 256	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	53.9	0.0	0.0	56.2	0.0	0.0	54.8	0.0	0.0	55.5	0.0	0.0	55.5	54.4	56.2				
EVRAZ Regina - 529032	AE-136A	CK928 244	MILL CONTROL	Rockwell A	OK	OD	56.8	0.0	0.0	57.8	0.0	0.0	57.8	0.0	0.0	58.1	0.0	0.0	56.5	0.0	0.0	56.7	58.0	57.8				
EVRAZ Regina - 529032	AE-136A	CK928 244	MILL CONTROL	Rockwell A	OK	ID	56.7	0.0	0.0	56.8	0.0	0.0	56.9	0.0	0.0	55.0	0.0	0.0	56.4	0.0	0.0	56.6	55.9	56.9				
EVRAZ Regina - 529033	AE-136A	CK795 225	MILL CONTROL	Rockwell A	OK	OD	54.0	0.0	0.0	55.2	0.0	0.0	57.8	0.0	0.0	57.3	0.0	0.0	55.0	0.0	0.0	54.5	56.3	57.8				
EVRAZ Regina - 529033	AE-136A	CK795 225	MILL CONTROL	Rockwell A	OK	ID	55.3	0.0	0.0	53.9	0.0	0.0	56.2	0.0	0.0	56.1	0.0	0.0	54.8	0.0	0.0	55.1	55.0	56.2				
EVRAZ Regina - 529034	AE-136A	CL119 272	MILL CONTROL	Rockwell A	OK	OD	54.1	0.0	0.0	56.2	0.0	0.0	57.9	0.0	0.0	58.0	0.0	0.0	54.6	0.0	0.0	54.4	57.1	57.9				
EVRAZ Regina - 529034	AE-136A	CL119 272	MILL CONTROL	Rockwell A	OK	ID	54.5	0.0	0.0	54.0	0.0	0.0	55.8	0.0	0.0	55.6	0.0	0.0	54.9	0.0	0.0	54.7	54.8	55.8				
EVRAZ Regina - 529035	AE-136A	CK863 235	MILL CONTROL	Rockwell A	OK	OD	55.4	0.0	0.0	56.4	0.0	0.0	57.1	0.0	0.0	57.0	0.0	0.0	54.8	0.0	0.0	55.1	56.7	57.1				
EVRAZ Regina - 529035	AE-136A	CK863 235	MILL CONTROL	Rockwell A	OK	ID	55.6	0.0	0.0	53.7	0.0	0.0	55.2	0.0	0.0	54.1	0.0	0.0	55.7	0.0	0.0	55.7	53.9	55.2				
EVRAZ Regina - 529036	AE-136A	CK837 231	MILL CONTROL	Rockwell A	OK	OD	47.3	0.0	0.0	45.3	0.0	0.0	54.7	0.0	0.0	55.3	0.0	0.0	45.8	0.0	0.0	46.6	50.3	54.7				
EVRAZ Regina - 529036	AE-136A	CK837 231	MILL CONTROL	Rockwell A	OK	ID	55.1	0.0	0.0	55.7	0.0	0.0	55.4	0.0	0.0	55.2	0.0	0.0	56.4	0.0	0.0	55.8	55.5	55.4				
EVRAZ Regina - 529037	AE-136A	CK848 232	MILL CONTROL	Rockwell A	OK	OD	55.3	0.0	0.0	56.7	0.0	0.0	57.3	0.0	0.0	57.3	0.0	0.0	56.3	0.0	0.0	55.8	57.0	57.3				
EVRAZ Regina - 529037	AE-136A	CK848 232	MILL CONTROL	Rockwell A	OK	ID	55.2	0.0	0.0	54.7	0.0	0.0	55.4	0.0	0.0	55.8	0.0	0.0	55.8	0.0	0.0	55.5	55.3	55.4				
EVRAZ Regina - 529038	AE-136A	CK855 233	MILL CONTROL	Rockwell A	OK	OD	56.4	0.0	0.0	58.0	0.0	0.0	58.0	0.0	0.0	58.2	0.0	0.0	55.2	0.0	0.0	55.8	58.1	58.0				
EVRAZ Regina - 529038	AE-136A	CK855 233	MILL CONTROL	Rockwell A	OK	ID	56.2	0.0	0.0	54.1	0.0	0.0	56.2	0.0	0.0	55.2	0.0	0.0	56.4	0.0	0.0	56.3	54.7	56.2				
EVRAZ Regina - 529092	AE-136A	CK969 250	MILL CONTROL	Rockwell A	OK	OD	43.4	0.0	0.0	42.1	0.0	0.0	56.2	0.0	0.0	56.1	0.0	0.0	45.1	0.0	0.0	44.3	49.1	56.2				
EVRAZ Regina - 529092	AE-136A	CK969 250	MILL CONTROL	Rockwell A	OK																							

Supplier - Heat	Chng	Prod ID	Test Type	Scale	MS	Location	PM	HAZ				WMZ				HAZ				PM				PMA\HAZ WMZ			
EVRAZ Regina - 529173	AE-136A	CL151 277	MILL CONTROL	Rockwell A	OK	OD	53.7	0.0	0.0	54.4	0.0	0.0	57.6	0.0	0.0	0.0	57.8	0.0	0.0	50.6	0.0	0.0	52.2	56.1	57.6		
EVRAZ Regina - 529173	AE-136A	CL151 277	MILL CONTROL	Rockwell A	OK	ID	55.5	0.0	0.0	54.5	0.0	0.0	57.0	0.0	0.0	0.0	56.6	0.0	0.0	56.6	0.0	0.0	56.1	55.6	57.0		