



## DATA BOOK – SHOP TANK

**CLIENT:**

**AGENT:** N/A

**FOREMOST WORK ORDER NO.** W06-061902

**TAG NUMBER:** N/A

**DESCRIPTION:** 400 BBL Single Wall Coated Tank, COO# COO-17-071

**FOREMOST DOCUMENT NUMBER:** W06-061902-DB-1\_r0

DOC REV		DOCUMENT #	PAGES	CKD	APPD	DATE
0		W06-061902-DB-1	30	PC		2017-12-18

DESIGN STANDARD				COMMENTS
API-12F MODIFIED				

Notes:



Quality System Documentation

W06-061 2  
0 BBL O ‡ #

SERIAL NUMBER	TANK TAG NUMBER
06-060839-10	N/A



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3. Inspection and Test Plan
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9. As Built Drawings



## TANK DATA SHEET

**Job#** W06-061902    **SN#** 06-060839-10    **Tag#** N/A  
**Volume:** 400 BBL (SW)    **Height:** 20'-0"    **Diameter:** 11'-11 9/16"

<i>Description</i>	<i>Size/Thickness</i>	<i>Material Spec. and Grade</i>	<i>Schedule/Rating</i>
FLOORS	1/4"	A-36/44W/38W	-
SHELLS	3/16"	A-36/44W/38W	-
ROOF	3/16"	A-36/44W/38W	-
			-

<b>Level Indicator:</b>	<u>FOREMOST STANDARD</u>	<b>Thief Hatch:</b>	<u>JAYCO (SWEET) @ 4oz.</u>
<b>EPRV:</b>	<u>N/A</u>	<b>PVRV:</b>	<u>N/A</u>
<b>Heater Style:</b>	<u>N/A</u>	<b>Code:</b>	<u>API-12F (MOD)</u>
<b>Test Pressure:</b>	<u>24 OZ.</u>	<b>Test Medium:</b>	<u>AIR/SOAP SOLUTION</u>
<b>Design Pressure:</b>	<u>-0.4/16 OZ.</u>	<b>Design Temp:</b>	<u>-13/93°C</u>
<b>NDE Performed:</b>	<u>N/A</u>	<b>NDE Extent:</b>	<u>N/A</u>
<b>Other NDE:</b>	<u>VISUAL</u>	<b>NDE Contractor:</b>	<u>N/A</u>
<b>WPS:</b>	<u>PLF-1, 24-LT, 20-LT</u>		

**Internal Lining:** SSPC-SP5 C/W 12-14 MILS DFT ENVIROLINE 2405

**External Paint:** SSPC-SP6 C/W 1 COAT SHOP PRIMER & 1 COAT SHOP INDUSTRIAL ENAMEL (BLACK)

**Insulation:** NONE

**Comments:** SEE DRESS REPORT.

**QC Coordinator:** \_\_\_\_\_ **Date:** 2017-08-29

## ***Nameplate Data***

API

FABRICATED BY  
FOREMOST UNIVERSAL LP

ANNEX

12F MOD

DESIGN PRESSURE

4.0 02

EDITION/ADDENDA

—

DESIGN TEMPERATURE

-13° 99°

YEAR COMPLETED

2017

DESIGN S.G.

—

NOMINAL DIAMETER

12'

PARTIAL STRESS RELIEF

—

NOMINAL HEIGHT

20'

DESIGN LIQUID LEVEL

20'

NOMINAL CAPACITY

400

SERIAL NO.

06-061839-10

FLOOR THICKNESS

1/4"

PURCHASER'S TANK NO.

—

ROOF THICKNESS

3/16"

COURSE 3

3/16"

SHELL COURSE 1

3/16"

COURSE 4

3/16"

COURSE 2

3/16"

COURSE 5

N/A

***ITP***



Storage Tank  
Quality / Inspection & Test

Plan

Revision 0

W.O.# W06-061902

Serial #: 06-060839-10

Description: 400 BBL SW STOCK UNHEATED






Ref	Activity Description	QC Activity Required	Acceptance Criterion	Verifying Documents	Foremost Req	Duty	Foremost Approval
<b>A. Approvals</b>							
1.	Drawing Approvals	- Confirm fabrication drawing approvals	API-650 /12F	Issued for Construction Drawings	H D	QC / F	
<b>B. Receipt Inspection</b>							
1.	Shell, Floors, Roof Plate	- Confirm thickness, material type, dimensions and quantities as per approved drawings - Confirm MTRs available and heat numbers have been recorded	Approved Drawings	MTRs and this ITP	H I	QC / F	
<b>C. In Process Inspection</b>							
1.	Tank Layout	- Confirm correct orientation and elevation of nozzles, seams, and attachments - Confirm correct nozzle size, rating, schedule and repad requirements	General Arrangement	This ITP	I / V	QC / F	
2.	Visual Examination	- Verify material, fit-up, and weld profile, appearance, size, reinforcement and contours.	Component Drawings and Foremost's storage tank visual inspection criteria	This ITP	I / V	QC / F	

## Legend:

Requirements: I – Inspect  
W – Witness  
H – Hold Point  
D – Documents Required  
V – Verify

Duty: QC – Quality Control  
F – Foreman  
P – Projects







Ref	Activity Description	QC Activity Required	Acceptance Criterion	Verifying Documents	Foremost Req	Duty	Foremost Approval
<b>D. NDE</b>							
<b>D.1 Vacuum Testing</b>							
1.	Floor Seam(s)	- Ensure test gauge calibration is current - Vacuum box test floor seams	Gauge must have been calibrated within one year of the test date API-650 Paragraph 7.3.3a	Test Gauge Calibration Records, Floor Vacuum Test Report	I D	QC / F	
<b>D.2 Repad Testing</b>							
1.	Nozzle Repads (if applicable)	- Ensure test gauge is of proper range and condition is acceptable for the test. - Ensure test gauge calibration is current - Air / soap test nozzle repads to 15 psi - Ensure test gauge serial number is recorded on the test report	Gauge must have been calibrated within one year of the test date API-650 Paragraph 7.3.4	Test Gauge Calibration Records, Nozzle Repad Test Reports	I D	QC / F	N/A
<b>E Air/Hydro Testing</b>							
1.	Test Gauge Selection	- Ensure test gauge(s) in proper range and condition acceptable for the test. - Ensure calibration records are current.	Gauge must have been calibrated within one year of the test date.	Test Gauge Calibration Records	I D	QC / F	
2.	Completion of 	- Ensure fill level (if applicable) and test pressure(s) were correct and held for the required duration. - record gauge number	Tank design data and API-650 / 12F	Storage Tank Test Report(s)	H W D	QC / F	
<b>F Modifications</b>							
1.	Modify/Test Stock Tank	- Ensure any applicable tank modifications and/or testing is completed as specified.	Customer Specifications	This ITP Tank Travel Sheets Specified Documentation	I D	QC / F	

## Legend:

Requirements: I – Inspect  
W – Witness  
H – Hold Point  
D – Documents Required  
V – Verify

Duty: QC – Quality Control  
F – Foreman  
P – Projects

Ref	Activity Description	QC Activity Required	Acceptance Criterion	Verifying Documents	Foremost Req	Duty	Foremost Approval
<b>G. Coating/Paint (if applicable)</b>							
1.	Blast Profile(s) Achieved	-Confirm required blast profiles are in accordance with manufacturer recommendations and client specifications.	Approved Drawings Manufacturer's Recommendations	Coating Report This ITP	D	QC/F	
2.	Internal/External Inspection	-Visually inspect coating for defects, measure and record DFT. Repair.	Manufacturer's Recommendations	Coating Report This ITP	D	QC/F	
3.	Internal Holiday Testing	-Examine the entire coating for defects using a wet sponge/high volt (as applicable) holidays tester. Repair & repeat.	Holiday Free	Coating Report This ITP	D	QC/F	
<b>H. Insulation (if applicable)</b>							
1.	Urethane Thickness	- Ensure urethane insulation thickness is no less than specified on the drawings	Approved Drawings	This ITP	V	F	N/A
2.	Sealer Coverage	- Ensure sealer coverage is even and no urethane is exposed	No Exposed Insulation	This ITP	V	F	N/A
<b>I. Preparation for Shipment</b>							
1.	Preparation for Shipment	- Ensure tank internal has been swept and free of debris - Ensure all applicable internal/external piping, valves/risers, accessories, blinds, plugs, and shipping covers have been installed - Ensure nameplate is installed	Approved Drawings	This ITP	H I	QC/P	

## Legend:

Requirements: I – Inspect  
W – Witness  
H – Hold Point  
D – Documents Required  
V – Verify

Duty: QC – Quality Control  
F – Foreman  
P – Projects

## ***NDE Reports***

***N/A***

***Heat Map***

MODS BY RK

Firetube Serial #

N/A

Roof Heat #'s

8548T3

Shell Heat #'s

N03259

Floor Heat #'s

8551T3

## ***Material Test Reports***

SO No., Item & Date.: 8020936 000040 2014/07/01		Shipment No. & Date.: 1000108093 2014/07/01		TC No., Date & Time : ESA-166249 2014/07/08 - 14:18:36									
Sold to Customer Name and Address : SAMUEL SON AND COMPANY LTD 15TH AVENUE 701 NISKU, Alberta, Canada T2C 2A1		Ship to Customer Name and Address: SAMUEL, SON & CO. LIMITED 15TH AVENUE 701 NISKU, Alberta, Canada T9E 7L5		Customer PO NO./Item: A27114 / 4 BOL NO.: 1000108093 Cust. Part No.: Carrier : C P RAIL (CAD FUNDS) - CP 344775									
Customer Specification : HR STEEL SHEET Carbon SQ / SS To the Chemistry of Multi Cert ASTM A36 (12) / ASME SA36 (13) / CSA G40.21 38W (2013) / CSA G40.21 44W (2013) Top Semi Critical Surface Improved Shape Gauge type MIN - 0/+ 0.0195 "													
Supplementary Instructions : Test Cert 1:sepp@samuel.com													
Insp T/R : Test Report For Info Only													
ESSAR STEEL ALGOMA INC. HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN. ALL RESULTS ARE RETAINED IN ACCORDANCE WITH THE COMPANY'S STANDARD RECORD KEEPING PRACTICES. THIS MILL TEST REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ESSAR STEEL ALGOMA INC. IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (705)945-4095 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT.													
MEETS EN 10204 3.1 ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ESSARSTEELALGOMA.COM													
ALL HEATS FULLY KILLED. HEATS INDICATED WITH (*) FINE GRAINED. HEATS INDICATED WITH (+) Made in Canada for NAFTA duty preference and NAFTA marking purposes													
Dimensions (T x W x L)		Batch No.	Heat No.-MS	Quantity	No. of Pcs								
0.2360 " x 72.000 "		XQD2580	8549T3-05	34,262 LB	1								
0.2360 " x 72.000 "		XQD2584	8551T3-01	34,074 LB	1								
Dimensions (T x W x L)		Batch No.	Heat No.-MS	Quantity	No. of Pcs								
0.2360 " x 72.000 "		XQD2586	8551T3-51	34,183 LB	1								
*****CHEMICAL PROPERTIES*****													
Heat No. (wt%)	C	Mn	P	S	Si	Cr	Ni	Cu	Mo	Al	Nb	V	Ti
8549T3*	0.17	0.92	0.010	0.007	0.020	0.03	0.02	0.06	0.00	0.035	0.018	0.000	0.001
8551T3*	0.17	0.86	0.006	0.012	0.020	0.02	0.01	0.03	0.00	0.037	0.020	0.000	0.001

SAMUEL, SON & CO., LTD.  
CERTIFIED COPY OF  
TEST REPORT

CUSTOMER P.O. 906-161242

OUR ORDER 086781

DATE 12/09/14

FILED BY DW

KASHIF REHMAN  
MANAGER METALLURGICAL SERVICES

**\*\*WARNING\*\*** THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATIONS) AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.





EVRAZ INC. NA

Evraz Oregon Steel 14400 N. Rivergate Blvd., Portland, Oregon 97203

## REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1393775	Aug 27, 2014	1
MILL ORDER NO.	DATE	
278622		
CUSTOMER ORDER NO.		
P06-160637		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1393775	08/27/2014	
CARRIER		
BURLINGTON NORTHERN		
CAR/TRUCK NO.		
B		

ISO 9001

REGISTERED

U.S. PLATE PRODUCER

S  
O  
L  
D  
T  
OFOREMOST UNIVERSAL LP  
6614 50TH AVE  
LLOYDMINSTER, AB T9V 2W8  
CANADAFOREMOST GRANDE PRAIRIE  
BOX 331  
HYTHE, AB T0H 2C0  
CANADA

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS  
STRUCTURAL QUALITY PLATE CSA G21-04 CSA G40.21-13 GRADE 260W (38W)/300W (44W)  
ASTM A36-08. ASME SA36-2010/ 11ADD. MEETING MATERIAL REQUIREMENTS OF API650 GR  
III. KILLED FINE GRAIN PRACTICE.

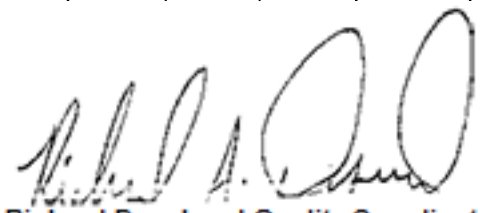
## PHYSICAL PROPERTIES

ITEM NO	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"	% RA	HARDNESS BHN	BEND TEST	IMPACTS
3	0.1875 X 96.000 X 576.000 SCHEDULE B:7208.52.00.93 PT# 2504  18 PCS 52920 LBS  18 PCS 52920 LBS TOTALS	N03259		479 505	675 690	35 24		(OUTER) (INNER)		

## CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca			CE	McQuaid Ehn Grain Size
N03259	.12	.85	.013	.007	.25	.01	.05	.010	.000	.038	.02	.00	.000		.0040					
HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.																				
..... END OF REPORT .....																				

I certify the above to be correct as contained in the records of EVRAZ INC. NA By \_\_\_\_\_

  
Richard Deschand Quality Coordinator



ESSAR STEEL ALGOMA INC., 105 West Street, Sault Ste. Marie, Ontario, Canada P6A 7B4

PH 1003 400661 1008 7/16

SO No., Item & Date.: 8020936 000020 2014/07/11	Shipment No. & Date.: 1000109473 2014/07/11	TC No., Date & Time : ESA-168118 2014/07/15 - 12:52:03
Sold to Customer Name and Address : SAMUEL SON AND COMPANY LTD 15TH AVENUE 701 NISKU, Alberta, Canada T2C 2A1	Ship to Customer Name and Address: SAMUEL, SON & CO. LIMITED 15TH AVENUE 701 NISKU, Alberta, Canada T9E 7L5	Customer PO NO./Item: A27114 / 2 BOL NO.: 1000109473 Cust. Part No.: Carrier: C P RAIL (CAD FUNDS) - cigx 803015
Customer Specification : HR STEEL SHEET Carbon SQ / SS To the Chemistry of Multi Cert ASTM A36 (12) / ASME SA36 (13) / CSA G40.21 38W (2013) / CSA G40.21 44W (2013) Top Semi Critical Surface Improved Shape Restr Thickness 3/4 Tol		
Supplementary Instructions : Test Cert 1: sepp@samuel.com		
Insp T/R : Test Report For Info Only		Cust Use : GENERAL MFG
ESSAR STEEL ALGOMA INC. HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN. ALL RESULTS ARE RETAINED IN ACCORDANCE WITH THE COMPANY'S STANDARD RECORD KEEPING PRACTICES. THIS MILL TEST REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ESSAR STEEL ALGOMA INC. IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (705)945-4095 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT.		
MEETS EN 10204 3.1 ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ESSARSTEELALGOMA.COM		
ALL HEATS FULLY KILLED. HEATS INDICATED WITH (*) FINE GRAINED. HEATS INDICATED WITH (+) MADE IN CANADA WITH DOMESTIC AND NORTH AMERICAN MATERIALS.		
Dimensions (T x W x L) 0.1790 " x 72.000 "	Batch No. LQD2733	Heat No-MS 8548T3-51
Quantity 34,540 LB	Pcs 1	
*****CHEMICAL PROPERTIES*****		
Heat No. (wt%) 8548T3*	C 0.19	Mn 0.88
P 0.009	S 0.004	SI 0.020
Cr 0.04	Ni 0.02	Cu 0.05
Mo 0.00	Al 0.027	Nb 0.020
V 0.000	Ti 0.001	
*****MECHANICAL PROPERTIES*****		
Tensile Tests		
Heat No.	Batch No.	SRCE LAB GAUGE COND METH DIR LOC YIELD(KSI) TENSILE(KSI) EL SCALE ELONG(%)
8548T3		106" ALG 0.1790 AR .2 T F 62.0 76.0 2" 29

**\*\*WARNING\*\*** THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATIONS) AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.

KASHIF REHMAN  
MANAGER METALLURGICAL SERVICES

SAMUEL, SON & CO., LTD.  
CERTIFIED COPY OF  
TEST REPORT

8020936 000020  
693687  
09/03/14  
DW

## ***Test Reports***

# FOREMOST

## FLOOR VACUUM TEST REPORT

JOB #:	060839	COMPANY:	STOCK (X10)
TANK TAG #:		LOCATION:	Grande Prairie
TANK SERIAL	060839-10		
PREPARED BY:	EJ	DATE:	Jan 30/15

### TEST INSTRUCTIONS

DIAMETER: 12'-0 1/4"

TEST PRESSURE :	-21 kPa (-6 in. Hg)	TESTING MEDIUM:	Air
HOLDING TIME:	5 seconds per section	MINIMUM TEMP:	4°C (40°F)

ADDITIONAL REQUIREMENTS: the vacuum-box test shall have at least 50 mm (2 in.) overlap of previously viewed surface.

### FINAL WELDING CHECK

ALL FLOOR WELDS TO BE VISUALLY INSPECTED PRIOR TO FINAL TESTING.

CONFIRMED BY: *Henry Ketter*      DATE: *Jan 29/15*

### TEST RECORD

INSPECTION PRESSURE: *-21 kpa*

HOLDING TIME: *5 SEC*      AMBIENT TEMP: *>18°C*

PRESSURIZING UNIT USED: Compressor

PRIMARY GAUGE SERIAL NO: *VAC-30-1*

SECONDARY GAUGE SERIAL NO: *—*

### RESULTS

*0 Leaks*

FOREMOST REP: <i>[Signature]</i>	CUSTOMER REP: <i>—</i>
TESTER: <i>RM</i>	DATE: <i>January 29, 2015</i>



Western Gauge and Instruments Ltd.

## Certificate of Calibration

Number# C7589

Customer:	FOREMOST UNIVERSAL	Manufacturer:	WGI
Customer P/O:	P06-160842	Serial Number:	VAC-30-1
Order:	OE0008622	Pressure Range:	VAC 0/30"
Accuracy +/- :	1 % OF FULL SCALE	Part Number:	
CALIBRATION DATE : September 3, 2014			

### Test Equipment Used

Gauge: 3-D  
Serial Number: 722805

Date Calibrated: May 21 / 14  
Range: 30"/ 0/30

Test Gauge	Upscale Pressure	Error +/- VAC
0 VAC	0 VAC	0 VAC
-5	-5.2	+0.2
-10	-10.2	+0.2
-15	-15.2	+0.2
-20	-20.2	+0.2
-25	-25.2	+0.2
-30	-30.2	+0.2

Technician:   
MICHAEL JOSS

Q.C. Manager:   
BRENTT STARRATT

Western Gauge and Instruments Ltd. Certifies that the above information is traceable to N.I.S.T.

6624 50 ST S.E. Edmonton, Alberta T6B 2N7 :780-463-3800, F: 780-463-3990.  
E-Mail : [edm@wgiltld.com](mailto:edm@wgiltld.com)

# FOREMOST

## STORAGE TANK AIR TEST REPORT

JOB #:	060839	COMPANY:	STOCK (X10)
TANK TAG #:		LOCATION:	Grande Prairie
TANK SERIAL #:	060839-10	SIZE:	400 BBL
PREPARED BY:	<i>[Signature]</i>	DATE:	2015-02-05
<b>TEST INSTRUCTIONS</b>			
DIAMETER:	11'-7"	HEIGHT:	20'-0"
TEST PRESSURE :	24 oz.	TESTING MEDIUM:	Air
HOLDING TIME:	15 minutes	MINIMUM TEMP:	4°C (40°F)
ADDITIONAL REQUIREMENTS:			
<b>FINAL WELDING CHECK</b>			
ALL NOZZLE AND ATTACHMENT PROJECTIONS/ORIENTATIONS/ELEVATIONS TO BE CHECKED PRIOR TO FINAL TESTING.			
CONFIRMED BY:	<i>Henry Ketter</i>	DATE:	<i>Jan 29/15</i>
<b>TEST RECORD</b>			
INSPECTION PRESSURE:	<i>24<sup>oz</sup></i>	INSPECTION MEDIUM:	<i>SW</i>
HOLDING TIME:	<i>5 MIN</i>	AMBIENT TEMP:	<i>518°C</i>
PRESSURIZING UNIT USED: Compressor			
PRIMARY GAUGE SERIAL NO:	<i>PG-01</i>	<i>1 PG5507</i>	
SECONDARY GAUGE SERIAL NO: <i>—</i>			
<b>RESULTS:</b>			
<i>Leak on roof (1)</i>			
<i>to shell</i>			
<i>Repaired by MN</i>			
<i>RETESTED 2017-09-18, 0 LEAKS</i>			
<i>BC / RK</i>			
FOREMOST REP:		CUSTOMER REP:	
TESTER #1: <i>Natalie Meyer</i>		TESTER #2: <i>F. [Signature]</i>	
WITNESS: <i>Cornelius Unger</i>		DATE: <i>February 5, 2015</i>	



Western Gauge and Instruments Ltd.

## Certificate of Calibration

Number# C7593

Customer:	FOREMOST UNIVERSAL	Manufacturer:	WGI
Customer P/O:	P06-160842	Serial Number:	PG-01
Order:	OE0008622	Pressure Range:	0/14 KPA
Accuracy +/- :	1 % OF FULL SCALE	Part Number:	
CALIBRATION DATE : September 3, 2014			

### Test Equipment Used

Gauge: 3-D  
Serial Number: 722805

Date Calibrated: May 21 / 14  
Range: 30"/ 0/30

Test Gauge	Upscale Pressure	Error + / - KPA
0 KPA	0 KPA	0 KPA
2	1.86	-0.14
4	3.86	-0.14
6	6	0
8	8	0
10	9.9	-0.1
12	11.86	-0.14
14	13.86	-0.14

Technician:   
MICHAEL JOSS

Q.C. Manager:   
BRENTT STARRATT

Western Gauge and Instruments Ltd. Certifies that the above information is traceable to N.I.S.T.

6624 50 ST S.E. Edmonton, Alberta T6B 2N7 :780-463-3800, F: 780-463-3990.  
E-Mail : [edm@wgiltld.com](mailto:edm@wgiltld.com)



## Certificate of Calibration

Number: C9285

Customer:	FOREMOST UNIVERSAL	Manufacturer:	WGI
Customer P/O:	P06-163673	Serial Number:	PG5507
Order:	WGP01942	Pressure Range:	0 – 55 inH2O/KPA
Accuracy +/- :	2.0% OF FULL SCALE	Part Number:	WG22707
Date:	DECEMBER 14, 2016		

### Test Equipment Used

Gauge: 3-D DIGITAL  
Serial Number: AC 1164019

Date Calibrated: May 21/ 16  
Range: 30"HG/100 PSI

Test Gauge	Upscale Pressure	Error + / -
0 KPA	0 KPA	0 KPA
3.0	3.0	0.0
6.0	5.9	-0.1
9.0	9.0	0.0
12.0	11.9	-0.1
14.0	13.9	-0.1

Technician:

JOEL POSHTAR

Q.C. Manager:

RANDY GABRUCK

Western Gauge and Instruments Ltd. Certifies that the above information is traceable to N.I.S.T.

4216 – 76 Ave Edmonton, Alberta T6B 2H8 Ph:780-463-3800 Fax: 780-463-3990  
E-Mail : [joel.poshtar@unifiedvalve.com](mailto:joel.poshtar@unifiedvalve.com)



## ***Coating and Dress Reports***

QUALITY  
DOCUMENT

PAINT

**FOREMOST**

WORK ORDER NUMBER: 061902-01 WORK DATE: Sept. 28/17  
CUSTOMER: \_\_\_\_\_ SERIAL NUMBER: 060839-10  
LOCATION OF WORK: Foremost-Grande Prairie  
DESCRIPTION: 400 BBL  
EMPLOYEE: Justin LeClair PURCHASE ORDER NUMBER: \_\_\_\_\_  
PRODUCT: Enviroline

**Primer:**

Product: \_\_\_\_\_

Quantity used (Gal): \_\_\_\_\_ Solvent used: \_\_\_\_\_

**1st Coat:**

Product: Enviroline 2405

Quantity used (Gal): 15 gallons Solvent used: \_\_\_\_\_

**2nd Coat:**

Product: \_\_\_\_\_

Quantity used (Gal): \_\_\_\_\_ Solvent used: \_\_\_\_\_

**3rd Coat:**

Product: \_\_\_\_\_

Quantity used (Gal): \_\_\_\_\_ Solvent used: \_\_\_\_\_

**Inspection:**

Visual Appearance: ACCEPTABLE

Comments: ~12 MILS DFT, 0 HOURS

SIGN AND DATE WHEN WORK HAS BEEN COMPLETED

SIGNATURE: [Signature] DATE: Sept. 28/17

QUALITY  
DOCUMENT

PAINT

**FOREMOST**

WORK ORDER NUMBER: 061902-01 WORK DATE: Oct. 6/17

CUSTOMER: \_\_\_\_\_ SERIAL NUMBER: 060839-10

LOCATION OF WORK: Foremost-Grande Prairie

DESCRIPTION: 400 BBL

EMPLOYEE: Justin LeClair PURCHASE ORDER NUMBER: \_\_\_\_\_

PRODUCT: Clowerdale

**Primer:**

Product: Industrial Metal Primer (Grey)

Quantity used (Gal): 8 gallons. Solvent used: \_\_\_\_\_

**1st Coat:**

Product: Industrial Enamel (Black)

Quantity used (Gal): 9 gallons Solvent used: \_\_\_\_\_

**2nd Coat:**

Product: \_\_\_\_\_

Quantity used (Gal): \_\_\_\_\_ Solvent used: \_\_\_\_\_

**3rd Coat:**

Product: \_\_\_\_\_

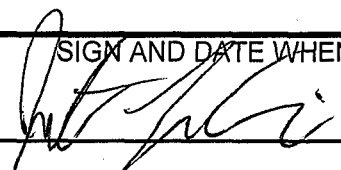
Quantity used (Gal): \_\_\_\_\_ Solvent used: \_\_\_\_\_

**Inspection:**

Visual Appearance: ACCEPTABLE ✓ 

Comments: \_\_\_\_\_

SIGN AND DATE WHEN WORK HAS BEEN COMPLETED

SIGNATURE:  DATE: Oct. 6/17.

QUALITY  
DOCUMENT

DRESS

**FOREMOST**

WORK ORDER NUMBER: 061902 WORK DATE: Oct. 12/2017

CUSTOMER: \_\_\_\_\_ SERIAL NUMBER: 061839-100

LOCATION OF WORK: FOREMOST - Grande Prairie

DESCRIPTION: 400 BBL Tank

LEAD HAND: John Unger SIGNATURE: John Unger DATE: Oct. 12/2017

Thiefhatch Model Enardo 330 Enardo 660 Marshawk Jayco Sweet Sour

Thiefhatch Pressure 4oz 8 oz 12oz 16 oz Other \_\_\_\_\_

Ladder Options Cage Hoop Fall arrest Platform Other \_\_\_\_\_

Manway Full bolt up Bolt Package Other \_\_\_\_\_

Gauge style Decal Board Other \_\_\_\_\_

Pulley PeaceLand Hawkeye Redtail Sign Language AM-Gas Other \_\_\_\_\_

Vents Installed Gooseneck 4" Other \_\_\_\_\_  
size

List nozzles with down comers / risers installed N/A

List nozzles with plugs, blinds and companion flanges installed Drain 4" blind

List nozzles with valves installed N/A

Heater Type Steam Coil Catadyne Burnertube Other N/A  
size

Heater Model, s/n, info N/A

Other N/A

CHECKED BY: [Signature] SIGNATURE: [Signature] DATE: Oct 12

***As-Built Drawings***  
***(If Applicable)***

NOTES:

1. ALL DIMENSIONS ARE IN S.I. AND IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR YOUR REFERENCE ONLY.
2. ALL FLANGE RATINGS TO BE ASME B16.5 2013.
3. FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF TANK.
4. ALL NOZZLE PROJECTIONS GIVEN ARE ALONG THE NOZZLE CENTERLINE, EXCEPT FOR THE 25(1") INTERNAL PROJECTION WHICH IS AT THE SHORT SIDE.
5. TANK FABRICATOR INSPECTION LEVEL 1.



ENGINEERING DRAWING STATUS	
<input type="checkbox"/>	A. PRELIMINARY - NOT APPROVED
<input type="checkbox"/>	B. ISSUED FOR APPROVAL
<input type="checkbox"/>	C. ISSUED FOR PROCUREMENT ONLY
<input checked="" type="checkbox"/>	D. ISSUED FOR FABRICATION/ERECTION
<input type="checkbox"/>	E. ISSUED AS-BUILT
Aug 29, 2017	
DATE: _____	
FOREMOST UNIVERSAL LP	

\\PROJECTS\\W06-061902\\W06-061902-D101