




430 Hamilton Rd Bossier City, LA 71111

MATERIAL TEST REPORT

Product: CA 5.500 0.304 17.00 P110HC LTC R3 SMLS CENT PRIME		Thread Type: LTC		Sales Order: SO0001414																	
Heat: YD03300		Lot: YD03300-401		Purchase Order: SBB-0062																	
Specification: API 5CT Latest Edition																					
-----Sold To ----- SB NAVITAS 480, 435 - 4TH AVE SW CALGARY AB Calgary , CA																					
CHEMICAL ANALYSIS																					
	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	AL	V	B	Cb	Ti	Ca	N	O	CEQ	DI	PrM
HEAT	0.26	1.4	0.015	0.007	0.23	0.09	0.09	0.40	0.02		0.029	0.006	0.0018		0.030				0.591		
CHECK	0.261	1.366	0.013	0.003	0.215	0.091	0.045	0.395	0.025	0.007	0.036	0.007	0.0013		0.042	0.0008			0.583		
CHECK	0.253	1.401	0.012	0.002	0.224	0.087	0.094	0.395	0.017	0.006	0.032	0.008	0.0015		0.042	0.0003			0.582		
MECHANICAL PROPERTIES																					
<u>Test</u>	<u>Type</u>	<u>Size</u>	<u>Orient</u>	<u>Yield KSI</u>	<u>Tensile KSI</u>	<u>Elong in 2"</u>	<u>Y/T Ratio</u>			Collapse, PSI 12200		Hydrotest, 11600									
4L09161	Strip	1"	Long.	128.25	139.34	20.55	0.9204			Flattening OK		PSI									
				Impact Tests			Hardness					Hold Time: 5 SEC									
<u>Test</u>	<u>Loc</u>	<u>Size</u>	<u>Temp</u>	<u>Notch</u>	<u>Energy (AVG)</u>	<u>%Shear</u>	<u>Scale</u>	<u>Lat Exp.</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>	<u>Scale</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>				
	L	3/4	32		68	90		HRC				30.43									
Inspections Performed							Remarks					From the office of:									
<u>Test</u>	<u>Type</u>	<u>Pass</u>	<u>Cal.</u>	<u>Test</u>	<u>Type</u>	<u>Pass</u>	Release # SO0001414														
							Processor: BMG														
							W/O #: 4611-010					This is to certify that the product described with was manufactured, supplied, tested, and/or inspected in accordance with the specification and the order, and fulfills the requirements in such respect.									
							Rolled material supplied by: BMG														