


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: YD03553		Lot: YD03553-425		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	0.25	1.41	0.011	0.005	0.19	0.07	0.04	0.38	0.01		0.031	0.004	0.0015		0.030				0.571		
CHECK	0.253	1.397	0.011	0.004	0.194	0.076	0.041	0.378	0.011	0.005	0.036	0.007	0.0011		0.046	0.0014			0.572		
CHECK	0.255	1.393	0.008	0.001	0.190	0.066	0.035	0.386	0.011	0.006	0.033	0.006	0.0011		0.043	0.0005			0.574		
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									
4E101578 PT	Strip	1"	Long.	120.9	129.24	23.25	0.9355			Flattening OK		PSI Hold Time: 5 SEC									
				Impact Tests			Hardness														
<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		50	90		HRC				27.84									
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																					
Rolled material supplied by: BMG																					
												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.									