



EVRAZ INC. NA
Evraz Oregon Steel 14400 N. Rivergate Blvd., Portland, Oregon 97203

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO	DATE
1273240	Dec 07, 2012
MILL ORDER NO	DATE
259701	
CUSTOMER ORDER NO.	
P21108CT001E	
JOB/REQ. NO.	
ULTRAWEAR	
SHIPPING NO.	DATE
1273240	12/07/2012
CARRIER	
T&P TRUCKING	
CAR/TRUCK NO.	
T-P799T	

ISO 9001
REGISTERED
U.S. PLATE PRODUCER

SOLD TO

WILKINSON STEEL & METALS INC [EDMN]
ATTN: CATHY STEPANIUK
9525 60 AVE
EDMONTON, AB T6E 0C3
CANADA

WILKINSON STEEL AND METALS INC - RD
9525 60 AVE
EDMONTON, AB T6E 0C3
CANADA

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS
EOS CARBON PRESSURE VESSEL QUALITY ASTM A516-06 GRADE 70 ASME SA516 GRADE 70
2010/11A ADD. NORMALIZED NACE MR 0175-ISO15156-2 ANNEX A PAR.2.1.2 COMPLIANT
COMPLIANT TO NACE MR0103-2007 NO WELD REPAIR. PRESSURE VESSEL (continued)

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
4	QUALITY. KILLED FINE GRAIN PRACTICE. FT.LBF MIN. 200 MAX BHN (P). AT 1670 EN10204 :2004. 0.7500 X 96.000ME X 480.000 SCHEDULE B:7208.51.00.00	LCVN 20 F +/- 50 F.	FT.LBF AVG F.	505	@ -50 INSPECTION	F (P) CERTIFICATE	16	3.1		
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 44 MINUTES AND AIR COOLED	NW6365	A28	505	760	26				
5	1 PC 9801 LBS 12M1179 0.6250 X 96.000ME X 240.000 SCHEDULE B:7208.51.00.00	NW6365 NW6922	A28 A25	535	785	26		167		
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 25 MINUTES AND AIR COOLED				LCVN @ -50 DEG F	10.0mm			110 117 117 / 114.7 ft.lbf	
					LCVN @ -50 DEG F	10.0mm			59 34 125 / 72.7 ft.lbf	

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Co	Al	Cr	Mo	Ti	B	N	Ca	CE	REMARKS
NW6365	.19	1.30	.013	.003	.32	.01	.05	.023	.005	.038	.03	.00	.003	.0000				
NW6922	.20	1.29	.009	.007	.33	.01	.05	.023	.005	.039	.02	.00	.004	.0000				

HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.

[Signature]
QUALITY COORDINATOR

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

INS

E10022MW006-1 NEWNES PRECISIO - Cert#: P21108CT001.NW6922.L4034