

# NW6365



EVRAZ INC. NA  
EvrAZ Oregon Steel 14400 N. Rivargate Blvd., Portland, Oregon 97203

## REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1273240	Dec 07, 2012	3
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 - ED  
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
	QUALITY. KILLED FINE GRAIN PRACTICE. FT.LBF MIN. 200 MAX BHN (P). AT 1670 EN10204 :2004.	LCVN 20	FT.LBF AVG	@ -50	F (P)	16				
4	0.7500 X 96.000ME X 480.000 SCHEDULE B:7208.51.00.00	NW6365	A28	505	760	26				
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 44 MINUTES AND AIR COOLED									
5	1 PC 9801 LBS 12M1179 0.6250 X 96.000ME X 240.000 SCHEDULE B:7208.51.00.00	NW6365	A28					167		
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 25 MINUTES AND AIR COOLED									
		NW6922	A25	535	785	26				

### CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca	CE	McQuay-Norris Grain Size
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.

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

QUALITY COORDINATOR

S30522MW006-1 NEWNES PRECISIO - Cert#: P21108CT001.NW6922.L4034