



EVRAZ INC. NA

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

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1327275	Sep 27, 2013	1
MILL ORDER NO.	DATE	
268903		
CUSTOMER ORDER NO.		
V01446		
JOB/REQ. NO.		
SHIPPING NO.		
1327275	DATE	
	09/27/2013	
CARRIER		
BURLINGTON NORTHERN		
CAR/TRUCK NO.		
CW6047		

ISO 9001

REGISTERED

U.S. PLATE PRODUCER

SOLD TO

LEECO STEEL LLC
1011 WARRENVILLE ROAD
SUITE 500
LISLE, IL 60532
USA

LEECO STEEL LLC
1000 E BOUNDARY RD
PORTAGE, IN 46368

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS
CARBON PRESSURE VESSEL QUALITY ASTM A516-10 GRADE 70 ASME SA516 GRADE 70
2010/11A ADD. NORMALIZED NO WELD REPAIR. PRESSURE VESSEL QUALITY. LCVN 20
FT.LBF AVG @ -50 F (P).

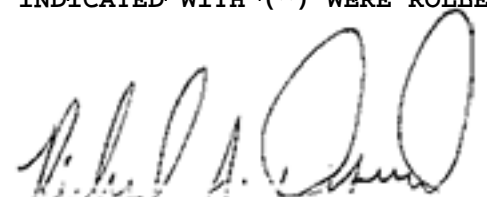
PHYSICAL PROPERTIES

ITEM NO	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"		% RA	HARDNESS BHN	BEND TEST	IMPACTS
1	2.5000 X 100.000ME X 420.000 SCHEDULE B: 7208.51.00.93 PT# 250100420A516-70N	^ NW8283	A21	465	750	34					
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 205 MINUTES AND AIR COOLED										65 63 20 / 49.7 ft.lbf
	1 PC 29778 LBS 13J2592	^ NW8283	A21								
2	2.7500 X 100.000ME X 420.000 SCHEDULE B: 7208.51.00.93 PT# 275100420A516-70N	^ NW9548	A28	479	745	34					
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 218 MINUTES AND AIR COOLED										32 39 45 / 38.7 ft.lbf
	1 PC 32756 LBS 13J2594	^ NW9548	A28								

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
^NW8283	.19	1.30	.012	.004	.30	.01	.05	.026	.005	.039	.02	.00	.002	.0000				
^NW9548	.19	1.28	.012	.004	.29	.01	.05	.024	.005	.043	.03	.00	.002	.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 _____


 Richard Deschand Quality Coordinator



EVRAZ INC. NA

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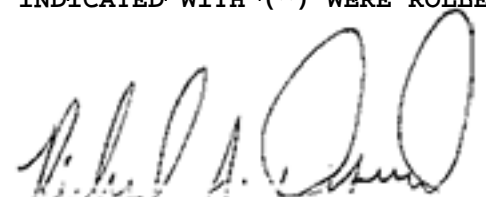
PHYSICAL PROPERTIES

ITEM NO	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"	% RA	HARDNESS BHN	BEND TEST	IMPACTS
2	2.7500 X 100.000ME X 420.000	^ NW9548	A29	485	750	35				
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 218 MINUTES AND AIR COOLED									51 66 49 / 55.3 ft.lbf
	1 PC 32756 LBS 13J2593	^ NW9548	A29							
3	2.2500 X 100.000ME X 420.000 SCHEDULE B: 7208.51.00.93 PT# 225100420A516-70N	^ NW8279	A33	462	755	34				
	THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 153 MINUTES AND AIR COOLED									40 29 20 / 29.7 ft.lbf
	1 PC 26800 LBS 13J2591	^ NW8279	A33							
	4 PCS 122090 LBS TOTALS									

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
^NW9548	.19	1.28	.012	.004	.29	.01	.05	.024	.005	.043	.03	.00	.002	.0000				
^NW8279	.19	1.26	.009	.007	.31	.01	.05	.023	.005	.053	.03	.00	.003	.0000				
HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.																		
..... END OF REPORT																		

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 Richard Deschand Quality Coordinator