

NW6240

S21126MW003-1 NEWNES PRECISIO - Cert#: P20831CT001.NW6240.A30 - P.O.#: ANDREW

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

REPORT OF CHEMICAL/PHYSICAL TESTS

| | | |
|--------------------|--------------|------|
| CERTIFICATE NO. | DATE | PAGE |
| 1259605 | Sep 21, 2012 | 1 |
| MILL ORDER NO. | DATE | |
| 257670 | | |
| CUSTOMER ORDER NO. | | |
| P20831CT001E | | |
| JOB/REQ. NO. | | |
| SHIPPING NO. | DATE | |
| 1259605 | 09/21/2012 | |
| CARRIER | | |
| UNION PACIFIC | | |
| CAR/TRUCK NO. | | |
| BLUE | | |

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
NO WELD REPAIR. PRESSURE VESSEL QUALITY. KILLED FINE GRAIN (continued)

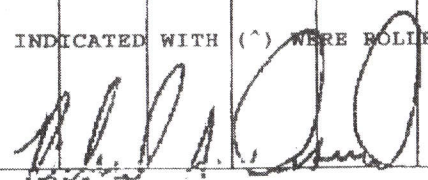
PHYSICAL PROPERTIES

| ITEM NO | DESCRIPTION | HEAT NO. | SLAB | YIELD PSI X 100 | TENSILE PSI X 100 | % ELONG 8" 2" | % RA | HARDNESS BHN | BEND TEST | IMPACTS |
|---------|---|----------|-------------|--------------------|----------------------|------------------|------|-----------------|--------------|----------------------------|
| | PRACTICE. LCVN 20 FT.LBF AVG @ -50 F (P) | 16 | FT.LBF MIN. | 200 | MAX | BHN (P) | | | | |
| 2 | 0.3750 X 96.000ME X 480.000 SCHEDULE B:7208.52.00.00 | NW6237 | A32 | 540 | 770 | 26 | | | | 12B 131 129 / 129.3 ft.lbf |
| | THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 15 MINUTES AND AIR COOLED | | | | | | | | | |
| | 1 PC 4901 LBS 12J5697 | NW6237 | A32 | | | | | 154 | | |
| | THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 15 MINUTES AND AIR COOLED | | | | | | | | | |
| | 1 PC 4901 LBS 12J5699 | NW6237 | A32 | | | | | 154 | | |
| | | NW6240 | A30 | 550 | 790 | 25 | | | | 125 92 82 / 99.7 ft.lbf |
| | THE FOLLOWING PLATES WERE NORMALIZED AT 1660 DEGS F FOR 15 MINUTES AND AIR COOLED | | | | | | | | | |

CHEMICAL ANALYSIS

| HEAT NO. | C | Mn | P | S | Si | Cu | Ni | V | Cb | Al | Cr | Mo | Ti | B | N | Ca | CE | McQuaid Bhn Grain Size |
|----------|-----|------|------|------|-----|-----|-----|------|------|------|-----|-----|------|-------|---|----|----|---------------------------|
| NW6237 | .18 | 1.33 | .012 | .004 | .32 | .01 | .06 | .026 | .005 | .036 | .02 | .00 | .002 | .0000 | | | | |
| NW6240 | .21 | 1.37 | .013 | .004 | .32 | .01 | .05 | .024 | .005 | .039 | .02 | .00 | .003 | .0000 | | | | |

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



QUALITY COORDINATOR

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