



CERTIFIED MATERIAL TEST REPORT

US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

| | | | | | |
|---|--|---|--|---------------------|--|
| CUSTOMER SHIP TO SOPORTE LOGISTICO EN DISTRIBUCION ZVP 02 715 KMB 1023 507 NA MONTERREY,NL 64290 Mexico | | CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico | | GRADE A572-50 | SHAPE / SIZE Wide Flange Beam / 6 X 8.5# / 150 X 12.7 |
| SALES ORDER 233767/000480 | | LENGTH 40'00" | | WEIGHT 32,640 LB | HEAT / BATCH 59053930/02 |
| CUSTOMER PURCHASE ORDER NUMBER 4500454615 | | BILL OF LADING 1327-0000042013 | | DATE 14.02.2013 | |
| SPECIFICATION / DATE or REVISION A572/A572M-07 ASTM A6/A6M-11 | | | | | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | | |
|----------------------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|--|
| C % | Mn % | P % | S % | Si % | Cu % | Ni % | Cr % | Mo % | Sn % | V % | Nb % | Al % | |
| 0.07 | 0.86 | 0.015 | 0.012 | 0.23 | 0.41 | 0.10 | 0.14 | 0.029 | 0.011 | 0.002 | 0.015 | 0.003 | |

| CHEMICAL COMPOSITION | |
|-----------------------|-----|
| CE _{eq} A6 % | 0.3 |

| MECHANICAL PROPERTIES | | | | | |
|-----------------------|---------|--------|---------|----------|--------|
| YS KSI | UTS KSI | YS MPa | UTS MPa | G/L InCh | G/L mm |
| 61.3 | 76.5 | 425 | 535 | 8.000 | 200.0 |
| 61.6 | 77.6 | 423 | 528 | 8.000 | 200.0 |

| MECHANICAL PROPERTIES | |
|-----------------------|--|
| Elong. % | |
| 24.40 | |
| 24.20 | |

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington
TOM HARRINGTON
QUALITY ASSURANCE MGR.