


CERTIFIED MATERIAL TEST REPORT

 <p>US-ML-MIDLOTHIAN 300 WARD ROAD MIDLOTHIAN, TX 76065 USA</p>		<p>LONGVIEW, TX 75604-4817 USA</p> <p>MANHATTAN, KS 66505-1688 USA</p>		<p>GRADE A992/A572-50</p>	<p>SHAPE / SIZE Wide Flange Beam / 6 X 12# / 150 X 18.0</p>	<p>DOCUMENT ID: 0000897324</p>
<p>SALES ORDER 12677577/000010</p>	<p>CUSTOMER PURCHASE ORDER NUMBER G450040059</p>	<p>BILL OF LADING 1327-0000514248</p>	<p>DATE 02/20/2023</p>	<p>LENGTH 40'00"</p>	<p>PCS 18</p>	<p>WEIGHT 8,640 LB</p>
<p>CUSTOMER MATERIAL N° 000000000376120040</p>		<p>SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W</p>				

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.09	0.86	0.012	0.020	0.17	0.26	0.12	0.18	0.037	0.002	0.014	0.001	0.30

MECHANICAL PROPERTIES		YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)	56313	388	493	0.790	8.000	200.0	24.20
	55175	380	486	0.780	8.000	200.0	23.00

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdau possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.


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