



CERTIFIED MATERIAL TEST REPORT

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

4750 W MARSHALL AVE
 LONGVIEW, TX 75604-4817
 USA

MANHATTAN, KS 66505-1688
 USA

SALES ORDER
 12607174/000070

CUSTOMER MATERIAL N°
 00000003716770040

GRADE
 A992/A572-50

SHAPE / SIZE
 Wide Flange Beam / 16 X 77# / 410 X 114

DOCUMENT ID:
 0000900416

LENGTH
 40'00"

PCS
 3

WEIGHT
 9,240 LB

HEAT / BATCH
 S9109955/05

BILL OF LADING
 1327-0000515249

DATE
 02/24/2023

SPECIFICATION / DATE OF REVISION
 ASTM A6-17
 ASTM A709-21 GR50
 ASTM A992-20, A572-21
 CSA G40.21-13 345WM, 50W

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	Mn (%)	0.015	0.034	0.20	0.22	0.08	0.25	0.025	0.005	0.002	0.022	0.001	0.32
0.09	0.95												

MECHANICAL PROPERTIES		UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)		68228	361	471	0.770	8.000	200.0	24.30
		68950	365	476	0.770	8.000	200.0	23.90

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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