



CERTIFIED MATERIAL TEST REPORT

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

CUSTOMER SHIP TO GERDAU CORSA SAPI SA DE CV 16 603 717 ZVP GENERAL ESCOBEDO,NL 64000 Mexico		CUSTOMER BILL TO GERDAU CORSA S A P J DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico		GRADE GGMULTI	SHAPE / SIZE Channel / 12 X 20.7#
SALES ORDER 2027251/000130		CUSTOMER MATERIAL N° MOVED 50 T TO COMPLETE LAST CAR		LENGTH 40'00"	WEIGHT 143,244 L.B
				HEAT / BATCH 58020744/02	
				SPECIFICATION / DATE or REVISION A6-13A,A36-12, ASME SA36-13 ASTM A529-05(2009), A572-13A ASTM A709-13A, AASHTO M270-12 CSA G40.20-13/G40.21-13	
CUSTOMER PURCHASE ORDER NUMBER 4503652185		BILL OF LADING 1327-0000156442		DATE 20.05.2015	

CHEMICAL COMPOSITION												
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %
0.09	0.83	0.015	0.031	0.19	0.28	0.16	0.13	0.048	0.007	0.002	0.012	0.003

CHEMICAL COMPOSITION CEqyA6 %	0.30
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MECHANICAL PROPERTIES						
YS 0.2% PSI	UTS PSI	YS MPa	UTS MPa	G/L Inch	G/L mm	
54146	70909	373	489	8.000	200.0	
56332	72801	388	502	8.000	200.0	

MECHANICAL PROPERTIES	
Elong.	
26.60	
24.20	

COMMENTS / NOTES

This grade meets the requirements for the following grades:
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
 CSA Grades: 44W; 50W
 AASHTO Grades: M270-36, M270-50
 ASME Grades: SA36

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

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

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