

Chemical and Physical Test Report Made and Melted in USA

G-167248

CARTERSVILLE STEEL MILL 384 OLD GRASSDALE RD NE CARTERSVILLE GA 30121 USA (770) 387-3300

SHIP TO SIDERTUL SA DE CV MULTITERMINAL DE MONTERREY ZVP ES 04-710-94 MONTERREY, NL

INVOICE TO SIDERTUL SA DE CV RFC# SID930918KR0 **AVENIDA PRESIDENTE MASARYK** MEXICO CITY, DF 11570

SHIP DATE 01/12/11

CUST. ACCOUNT NO 60638017

PRODUCED IN: CARTERSVILLE

SHAPE + SIZE GRADE						IFICATIO	N																				
	C12 X 30#	2G50	ASTM	STM A36-08. ASTM A572 GR50-07 CSA G40 21-04 44W ASTM A700 CD50 004															LES OR		Cu	CUST P.O. NUMBER					
	HEAT I.D.	Р	S	SI CI AI C- N-												31382-0	7	A-(A-0021230-07								
	'G107301	.08	1.20	.017	.020	.26	.26	.10	-07	.035	.049	.001	0000	.0088	Sn	Al	TI	Ca		C Eqv						***************************************	٦
•	Mechanical Test:	field 62	199 000	422 50	MOA		20100			1	1.048	.001	.0002	.0088	.013	.001	.00100	.00100	.00170	.41							ᅱ

Yield 62900 PSI, 433.68 MPA

Tensile: 78400 PSI, 540,55 MPA %EI; 22.5/8in, 22.5/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Yield 60500 PSI, 417.13 MPA Tensile: 74900 PSI, 516.42 MPA %El: 21.0/8in, 21.0/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

PRODUCED IN: CARTERSVILLE

SHAPE + SIZE .		GRAD	Ē	SPEC	SPECIFICATION															-						
C12 X 30#		A36/57	2G50	ASTM	AS I M ASE-UB. AS I M AS72 GR50-07 CSA G40 21-04 44W ASTM A700 CD50 004														SA	LES OR	DER	C	CUST P.O. NUMBER			
HEAT I.D.	C	Mn	- P	S	SI CU MU C- MA I WIND I											A.	A-0021230-07									
G107302	.08	1,18	.018	.020	.27	.27	.10	.06	.033	.048		.0002	0400	Sn	Al	TI	Ca		C Eqv				7		************	
Mechanical Test:	Yield 58				Tensile:	73700						/200MM	1	.018	.001	.00100	.00090	.00150	.42							

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Mechanical Test:

Customer Requirements CASTING: STRAND CAST

Yield 59400 PSI, 409.55 MPA Tensile: 74300 PSI, 512.28 MPA %Ei: 22.5/8in, 22.5/200MM

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Customer Notes

NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

All manufacturing processes including melt and cast, occurred in USA, MTR

complies with EN10204 3.1B

Bhaskar Yalamanchili **Quality Director** Gerdau Ameristeet

THE ABOVE FIGURES ARE CERTIFIED CHEMICAL AND PHYSICAL TEST RECORDS AS CONTAINED IN THE PERMANENT RECORDS OF COMPANY.

Metallurgical Services Manager CARTERSVILLE STEEL MILL

Selier warrants that all material furnished shall comply with specifications subject to standard published manufacturing variations. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY THE SELLER, AND SPECIFICALLY EXCLUDED ARE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. in no event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller. Any claim for damages for materials that do not conform to specifications must be made from buyer to seller immediately after delivery of same in order to allow the seller the opportunity to inspect the material in



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RFC# SID930918KR0

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PRODUCED IN: CARTERSVILLE

SHAPE + SIZE	SPEC	IFICATI	ON	•									······································														
C12 X 20.7#	***************************************	A36		ASTM	SIM A36-08. ASTM A572 GR50-07 CSA G40 24-04 44W ASTM A700 CD50 004															ES OR		CU	CUST P.O. NUMBER				
HEAT I.D.	S													013	0131382-05			A-0021230-05									
G107338	.08	1,15	.028	.021	.26	.29	.08	.10		004	Nb	1 1	N	Sn	Al	Tì	Ca		C Eqv							-	
Machanical Tast:			105		I	23	<u> </u>	1.10	.022	.034	.001	.0003	.0080	.009	.001	.00100	.00020	.00160	.39							\dashv	

Yield 58800 PSI, 405.41 MPA Tensile; 75000 PSI, 517.11 MPA %Ei: 23.4/8in, 23.4/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Yield 59800 PSI, 412.31 MPA Tensile: 74700 PSI, 515.04 MPA %EI: 22.8/8in, 22.8/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED, STEEL NOT EXPOSED TO MERCURY.

PRODUCED	IN: CARTERSVIL	ĹE

SHAPE + SIZE .		GRAD	Ē	SPEC	FICATIO	ON																				
C12 X 20.7#	A36		ASTM	STM A36-08, ASTM A572 GR50-07,CSA G40.21-04 44W, ASTM A709 GR50-09A SALES ORDER CUST P.O. NUMBE														R								
HEAT I.D.	Mn	. 6	<u></u>											013	1382-05	3	A-C	A-0021230-05								
	1 -		<u> </u>	5	SI	Cu	-NI	Cr	Mo	V	Nb	В	N	Sn	Al	77	Ca	75	C Eav				7	in the second		~~~
G107340	.08	1.18	.022	.022	,26	.28	.08	.09	.022	.035	.001	.0003	.0080					L				1.	1 1	, 1		1
Machaniani Testi	3/1-1-1 ==	400 001			·		L	1	.022	1000	1.001	.0003	.0000	.008	.001	.00100	.00010	.00160	.39							

Mechanical Test:

Yield 57100 PSI, 393.69 MPA Tensile: 74400 PSI, 512.97 MPA %EI: 23.2/8in, 23.2/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Mechanical Test:

Yield 55500 PSI, 382.66 MPA Tensile: 74200 PSI, 511.59 MPA %El: 23.9/8in, 23.9/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Customer Notes

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All manufacturing processes including melt and cast, occurred in USA. MTR complies with EN10204 3.1B

Bhaskar Yalamanchili Quality Director

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Metallurgical Services Manager CARTERSVILLE STEEL MILL

Seller warrants that all material furnished shall comply with specifications subject to standard published manufacturing variations. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY THE SELLER, AND SPECIFICALLY EXCLUDED ARE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, In no event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller.

Any claim for damages for materials that do not conform to specifications must be made from buyer to setter immediately after delivery of same in order to allow the seller the opportunity to inspect the material in