



CHARTER
STEEL

A Division of
Charter Manufacturing Company, Inc.

CHARTER STEEL TEST REPORT
Reverse Has Text And Codes

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Lake Erie Products
3595 West State Road 28
Frankfort, IN 46041-6708
Attn: John Shambora

Cust. P.O.	44826
Cust Part#	G336082/A325CORTEN
Charter Sales Order	207268
Heat #	405900
Ship Lot #	333677
Grade#	A325 M SK FG RHQ
Process	HR
Finish Size	1-9/32

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies those requirements.

LAB CODE: 7388											
Chemistry	C	MN	P	S	SI	NI	CR	MO	CU	SN	V
WT%	0.36	0.98	0.016	0.012	0.240	0.33	0.51	0.01	0.32	0.009	0.001

AL N B TI NB											
0.024 0.0080 0.0001 0.001 0.002											
Jominy (HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM11
56	53	51	49	44	41	37	35	33	31	29	29
JOM13 JOM14 JOM15 JOM16 JOM18 JOM20 JOM22 JOM24 JOM26 JOM28 JOM30 JOM32											
29 27 27 28 28 26 25 24 24 23 21 21											

JOMINY SAMPLE TYPE ENGLISH = B JOMINY LAB = 0358-01 DI = 2.67

CHEM. DEVIATION EXT.-GREEN = N/R

Test Results of Rolling Lot # 333677			
# of Tests	Min Value	Max Value	Mean Value
ROCKWELL B (HRBW)	1	53	53
ROCKWELL C (HRC)	0	0	0
ROD SIZE (Inches)	4	1.277	1.285
ROD OUT OF ROUND (Inches)	1	0.008	0.008

NUM DECARB = 1 FREE FERRITE DECARB = 0.000 AVE DECARB = 0.004

QC DEVIATION EXT.-GREEN = N/R

Test Results of Processing Lot #			
Specifications:	Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents: Customer Document = LE 1.1 Revision = 7 Dated = 12-FEB-2004		
Additional Comments:	FINE GRAIN; TEST NOT REQUIRED IF ALUMINUM .020% OR GREATER. MEETS REQUIREMENTS OF A325 TYPE 3, CLASS A.		

