



JACKSON STEEL MILL
801 AMERISTEEL ROAD
JACKSON TN 38305 USA
(731) 424-5600

Chemical and Physical Test Report

MADE IN UNITED STATES

V-648964

SHIP TO SUPERIOR SUPPLY & STEEL 1948 GRAND CAILLOU ROAD 985-274-0111 HOUMA, LA 70360	INVOICE TO SUPERIOR SUPPLY AND STEEL SENTRY SUPPLY INC PO BOX 2087 LAKE CHARLES, LA 70602
SHIP DATE 11/11/08	
CUST. ACCOUNT NO 60075645	

PRODUCED IN: JACKSON TN

SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER					
A2 1/2 X 2 1/2 X 3/16	A36	ASTM A36-05, ASTM A529-04 "KILLED STEEL"	8109941-03											502297-15-03					
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-3140	.15	.71	.009	.040	.20	.30	.08	.10	.021	.019	<.008	.0005	.0092	.008	.001	.00100	.000	.00000	.321

Mechanical Test: Yield 55480 PSI, 382.52 MPA Tensile: 75010 PSI, 517.18 MPA %El: 28.4/8in, 28.4/200MM
 Mechanical Test: Yield 54990 PSI, 379.14 MPA Tensile: 74530 PSI, 513.87 MPA %El: 28.0/8in, 28.0/200MM

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SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER					
A2 1/2 X 2 1/2 X 5/16	A36	ASTM A36-05, ASTM A529-04 "KILLED STEEL"	8109941-04											502297-15-04					
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-3166	.15	.71	.010	.044	.20	.26	.09	.08	.022	.019	<.008	.0005	.0088	.008	.001	.00100	.000	.00000	.312

Mechanical Test: Yield 55870 PSI, 385.21 MPA Tensile: 75430 PSI, 520.07 MPA %El: 27.5/8in, 27.5/200MM
 Mechanical Test: Yield 56320 PSI, 388.31 MPA Tensile: 76290 PSI, 526 MPA %El: 27.5/8in, 27.5/200MM

PRODUCED IN: JACKSON TN

SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER
F5/16 X 3	A36	ASTM A36-05	8109941-05											502297-15-05
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	Sn	C Eqv	
V8-3506	.14	.66	.010	.030	.21	.29	.09	.13	.020	<.008	<.008	.010	.305	

Mechanical Test: Yield 43110 PSI, 297.23 MPA Tensile: 68770 PSI, 474.15 MPA %El: 26.5/8in, 26.5/200MM
 Mechanical Test: Yield 42258 PSI, 291.36 MPA Tensile: 68560 PSI, 472.7 MPA %El: 27.0/8in, 27.0/200MM

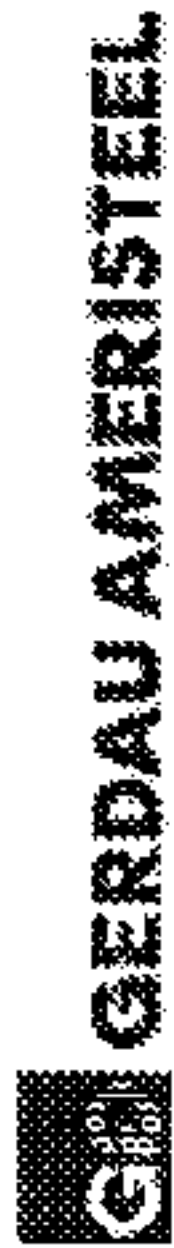
This material, including the billets, was produced and manufactured in the United States of America

Shackley
 Bhaskar Yalamanchilli
 Quality Director
 Gerdau Ameristeel

[Signature]
 Mgr. Metallurg. Svcs.
 JACKSON STEEL MILL

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

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SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER					
F3/4 X 3 1/2	A36	ASTM A36-05	8109941-01											502297-15-01					
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-3555	.15	.72	.010	.027	.21	.30	.09	.10	.026	.002	<.008	.0005	.0073	.010	.001	.00100	.000	.00000	.32

Mechanical Test: Yield 40211 PSI, 277.25 MPA Tensile: 68110 PSI, 469.6 MPA %El: 24.0/8in, 24.0/200MM
 Mechanical Test: Yield 40165 PSI, 276.93 MPA Tensile: 68100 PSI, 469.53 MPA %El: 24.5/8in, 24.5/200MM

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SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER					
F3/4 X 3 1/2	A36	ASTM A36-05	8109941-02											502297-15-02					
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-3555	.15	.72	.010	.027	.21	.30	.09	.10	.026	.002	<.008	.0005	.0073	.010	.001	.00100	.000	.00000	.32

Mechanical Test: Yield 40211 PSI, 277.25 MPA Tensile: 68110 PSI, 469.6 MPA %El: 24.0/8in, 24.0/200MM
 Mechanical Test: Yield 40165 PSI, 276.93 MPA Tensile: 68100 PSI, 469.53 MPA %El: 24.5/8in, 24.5/200MM

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SHAPE + SIZE	GRADE	SPECIFICATION	SALES ORDER											CUST P.O. NUMBER					
F5/8 X 2	A36	ASTM A36-05, ASME SA-36	8109941-06											502297-15-06					
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-4434	.13	.63	.010	.038	.16	.28	.09	.10	.023	.002	.001	.0005	.0140	.009	.001	.00100	.000	.00000	.286

Mechanical Test: Yield 43604 PSI, 300.64 MPA Tensile: 64990 PSI, 448.09 MPA %El: 30.5/8in, 30.5/200MM
 Mechanical Test: Yield 43963 PSI, 303.11 MPA Tensile: 65080 PSI, 448.71 MPA %El: 30.0/8in, 30.0/200MM

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Shaskay
Bhaskar Yalamanchili
Quality Director
Gerdau Ameristeel

[Signature]
Mgr. Metallurg. Svcs.
JACKSON STEEL MILL

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SHAPE + SIZE	GRADE	SPECIFICATION														
F-1/4 X 4	A36	ASTM A36-05, ASME SA-36														
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	Sn	C Eqv			
V8-4505	.13	.64	.010	.030	.19	.26	.13	.11	.030	<.008	<.008	.010	.294			

Mechanical Test: Yield 50280 PSI, 346.67 MPA Tensile: 70150 PSI, 483.67 MPA %El: 31.0/8in, 31.0/200MM
 Mechanical Test: Yield 49510 PSI, 341.36 MPA Tensile: 69830 PSI, 481.46 MPA %El: 31.5/8in, 31.5/200MM

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SHAPE + SIZE	GRADE	SPECIFICATION																	
F5/16 X 6	A36	ASTM A36-05, ASME SA-36																	
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zr	Ca	C Eqv
V8-4588	.16	.77	.011	.033	.20	.28	.10	.10	.026	.003	.001	.0006	.0102	.009	.002	.00100	.000	.00000	.345

Mechanical Test: Yield 47111 PSI, 324.82 MPA Tensile: 68100 PSI, 469.53 MPA %El: 30.5/8in, 30.5/200MM
 Mechanical Test: Yield 46821 PSI, 322.82 MPA Tensile: 67040 PSI, 462.22 MPA %El: 31.0/8in, 31.0/200MM

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