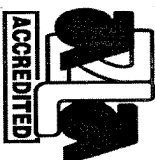


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621-01 & 621-02



April 22, 2005

Major Tool & Machine Inc.
1458 East 19th Street
Indianapolis, IN 46218

CERTIFICATION

Corrected Date
May 4, 2005

Page IM1 of 2
WMT&R Report No. 5-25009
P.O. No. P05-01764
PQR No. 433
Welder Jason Bever #465

Attention: Josh Mayne

Subject: All processes, performed upon the material as received, were conducted at WMT&R, Inc. in accordance with the WMT&R Quality Assurance Manual, Rev. 9, dated 4/1/2000.
The following tests were performed on this order: IMPACT and TENSILE

IMPACT RESULTS: ASME Section IX and AWS B2.1, ASTM E23-02

No Requirements

MATERIAL: Metatek CF8MMNM MOD

SAMPLE TYPE: Charpy V-Notch

DISPOSITION: Report

Specimen ID	Testlog Number	Sample Size	Temp. °F/°C	Energy ft-lbs	Energy joules	Mils Lat Exp	AIUR
Base-4	B65849	Standard	-320/-196	55	74.6	30	Report
Base-5	B65850	Standard	-320/-196	77	104.4	59	Report
Base-6	B65851	Standard	-320/-196	56	75.9	50	Report
Weld-4	B65855	Standard	-320/-196	92	124.7	61	Report
Weld-5	B65856	Standard	-320/-196	88	119.3	34	Report
Weld-6	B65857	Standard	-320/-196	85	115.2	42	Report
Haz-4	B65861	Standard	-320/-196	70	94.9	36	Report
Haz-5	B65862	Standard	-320/-196	76	103.0	32	Report
Haz-6	B65863	Standard	-320/-196	67	90.8	45	Report

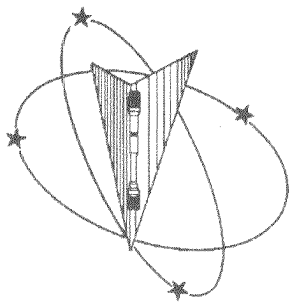
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Richard G. Parks
Project Manager/Industrial Technology Engineer

May 4, 2005



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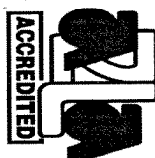
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Major Tool & Machine Inc.

Corrected Date
May 4, 2005

Page IM2 of 2
WMTR Report No. 5-25009
P.O. No. P05-01764

62-1-01 & 62-1-02



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Materials Testing Laboratory

IMPACT RESULTS: ASME Section IX and AWS B2.1, ASTM E23-02

No Requirements

MATERIAL: Metatek CF8MMNM MOD

SAMPLE TYPE: Charpy V-Notch

DISPOSITION: Report

Specimen ID	Test Log Number	Sample Size	Temp. °F/°C	Energy ft-lbs	Energy joules	Mils Lat Exp	AIUR
Base-1	B65846	Standard	68 20	109	147.8	101	Report
Base-2	B65847	Standard	68 20	100	135.6	109	Report
Base-3	B65848	Standard	68 20	119	161.3	100	Report
Weld-1	B65852	Standard	68 20	158	214.2	77	Report
Weld-2	B65853	Standard	68 20	169	229.1	85	Report
Weld-3	B65854	Standard	68 20	166	225.1	78	Report
Haz-1	B65858	Standard	68 20	105	142.4	64	Report
Haz-2	B65859	Standard	68 20	115	155.9	77	Report
Haz-3	B65860	Standard	68 20	117	158.6	66	Report

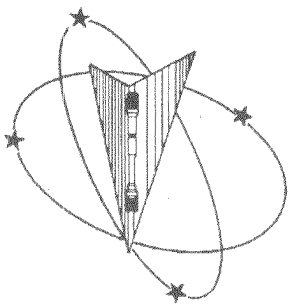
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May 4, 2005

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May 4, 2005

Major Tool & Machine Inc.

Section 2 of 2
WMT&R Report No. 5-25009
P.O. No. P05-01764

TENSILE RESULTS: ASME Section IX and AWS B2.1, ASTM E21-03a

SOAK TIME: 5 Minutes

SPEED OF TESTING: 0.0050 in./in./min., 0.0500 in./min./in.

MATERIAL: Metaltex CF8MMNM0D

Specimen ID	Testlog Number	Temp. °F/°C	0.2% YS ksi	Modulus Msi	0.2% YLD. lbFN	Orig. Width (in./mm)	Orig. Thick (in./mm)	Orig. Area (sq. in./sq. mm)	Machine Number	AVUR
T5	B66435	-320/-196	121.0/121.0	25.5/25.5	35440/157645	0.5036/12.79144	0.5818/14.778	0.29299448/189.028319	M9	R

AVUR: A=ACCEPTABLE, U=UNACCEPTABLE, R=REPORT

TENSILE RESULTS: ASME Section IX and AWS B2.1, ASTM E8-04

MATERIAL: Metaltex CF8MMNM0D

Specimen ID	Testlog Number	Temp. °F/°C	UTS ksi/MPa	0.2% YS ksi/MPa	Elong %	Modulus Msi/GPa	Ult. Load lbFN	0.2% YLD. lbFN
T1	B65838	68/20	92.1/635	57.5/397	36	21.1/145	86970/386862	54309/241578
T2	B65839	68/20	91.8/635	57.9/399	39	21.5/148	87440/388953	55163/245378

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Specimen ID	Testlog Number	Orig. Width (in./mm)	Orig. Thick (in./mm)	4D Orig. GL (in./mm)	4D Final GL (in./mm)	Orig. Area (sq. in./sq. mm)	Failure Location/Type	Machine Number	AVUR
T1	B65838	0.7466/18.96364	1.2644/32.116	1.40/35.56	1.91/48.51	0.94400/104/609.03/1711	BASE/DUCTILE	B2	R
T2	B65839	0.7461/18.95094	1.2765/32.423	1.40/35.56	1.95/49.53	0.95239665/614.44/8223	BASE/DUCTILE	B2	R

AVUR: A=ACCEPTABLE, U=UNACCEPTABLE, R=REPORT

No ultimate tensile strength and elongation was available for sample T5, (Testlog#B66435) due to specimen size and fixture limitations. Sample was past yield point when testing was interrupted.

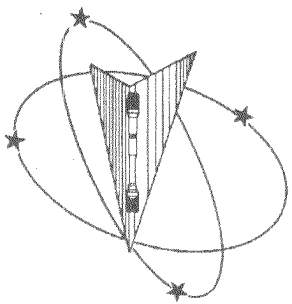
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Project Manager/Industrial Technology Engineer

Richard G. Parks

May 4, 2005



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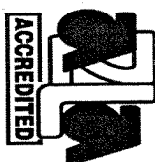
Website: www.wmttr.com
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April 22, 2005

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Indianapolis, IN 46218

CERTIFICATION

Corrected Date
May 4, 2005



621-01 & 621-02



Section 1 of 2

WMT&R Report No. 5-25009

P.O. No. P05-01764

PQR No. 433

Welder Jason Bever #465

Attention: Josh Mayne

Subject: All processes, performed upon the material as received, were conducted at WMT&R, Inc. in accordance with the WMT&R Quality Assurance Manual, Rev. 9, dated 4/1/2000.
The following tests were performed on this order: IMPACT and TENSILE

TENSILE RESULTS: ASME Section IX and AWS B2.1, ASTM E21-03a

SOAK TIME: 5 Minutes

SPEED OF TESTING: 0.0050 in./in./min., 0.0500 in./in./in.

MATERIAL: Metatek CF8MMnMOD

DISPOSITION: Report

Specimen ID	Testlog Number	Temp. °F/°C	UTS ksi/MPa	0.2% YS ksi/MPa	Elong %	Modulus Msi/GPa	Ult. Load lbf/N	0.2% YLD. lbf/N
T3	B65840	-320/-196	148.8/1030	127.0/875	35	25.5/176	20290/90254	17320/77043
T4	B65841	-320/-196	161.2/1110	124.7/860	27	26.6/183	23940/106490	18520/82381
T6	B66436	-320/-196	177.2/1220	137.2/945	44	25.8/178	21870/97283	16940/75353

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DISPOSITION: Report

Specimen ID	Testlog Number	Orig. Width (in./mm)	Orig. Thick (in./mm)	4D Orig. GL (in./mm)	4D Final GL (in./mm)	Orig. Area (sq. in./sq. mm)	Failure Location/Type	Machine Number	AIUR
T3	B65840	0.2538/6.44652	0.5374/13.650	1.00/25.40	1.35/34.29	0.136392/12/87.994740	BASE/DUCTILE	M9	R
T4	B65841	0.2558/6.49732	0.5806/14.747	1.00/25.40	1.27/32.26	0.148517/48/95.817537	BASE/DUCTILE	M9	R
T6	B66436	0.2537/6.44398	0.4866/12.360	1.00/25.40	1.44/36.58	0.123450/42/79.645273	BASE/DUCTILE	M9	R

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Richard G. Parks
Project Manager/Industrial Technology Engineer

May 4, 2005

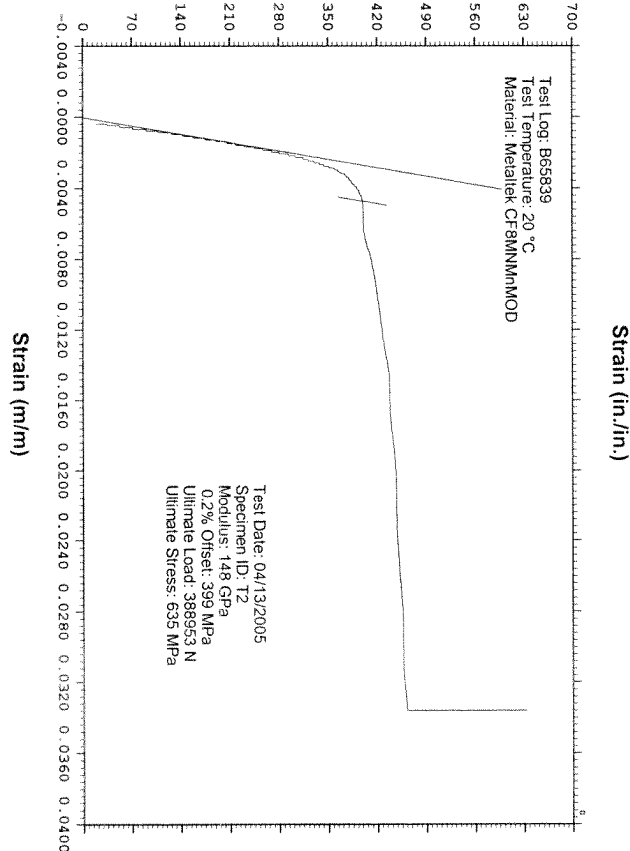
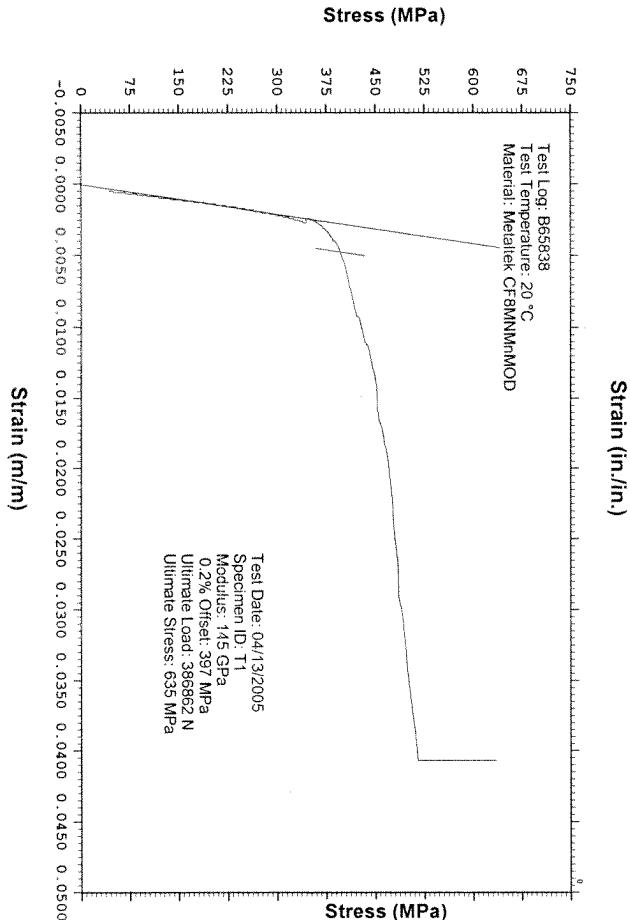
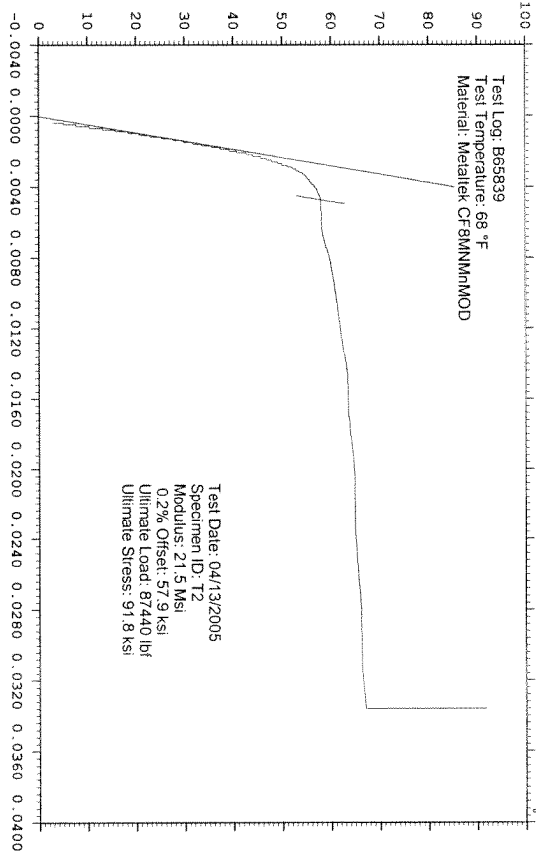
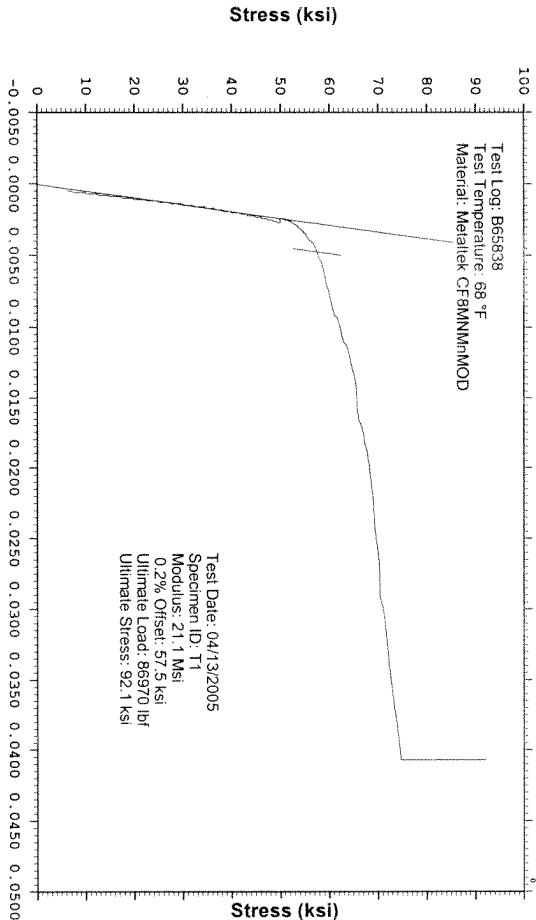
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Stress vs. Strain

Customer: Major Tool & Machine Inc.
WMT&R Report: 5-25009

P.O. No.: P05-01764
PQR No.: 433
Welder: Jason Bever #465

Phone: (724)537-3131



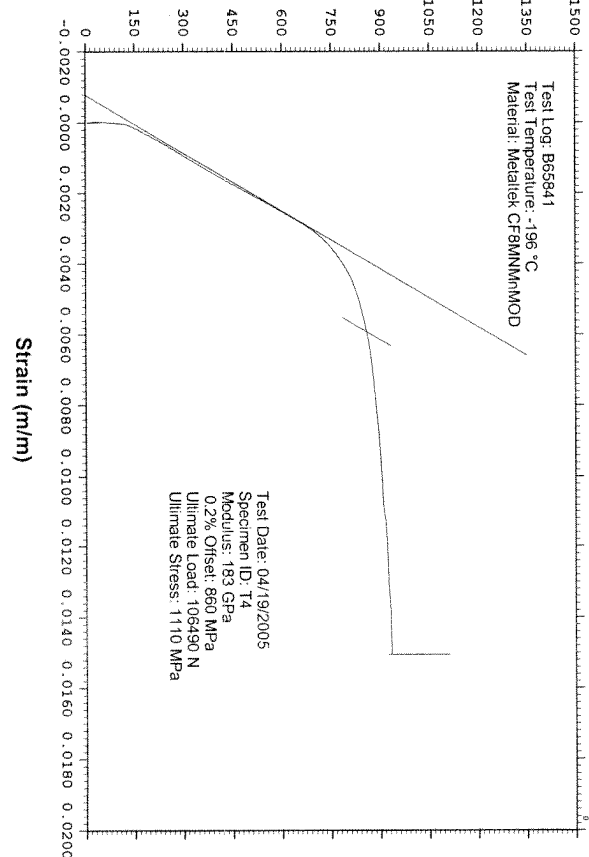
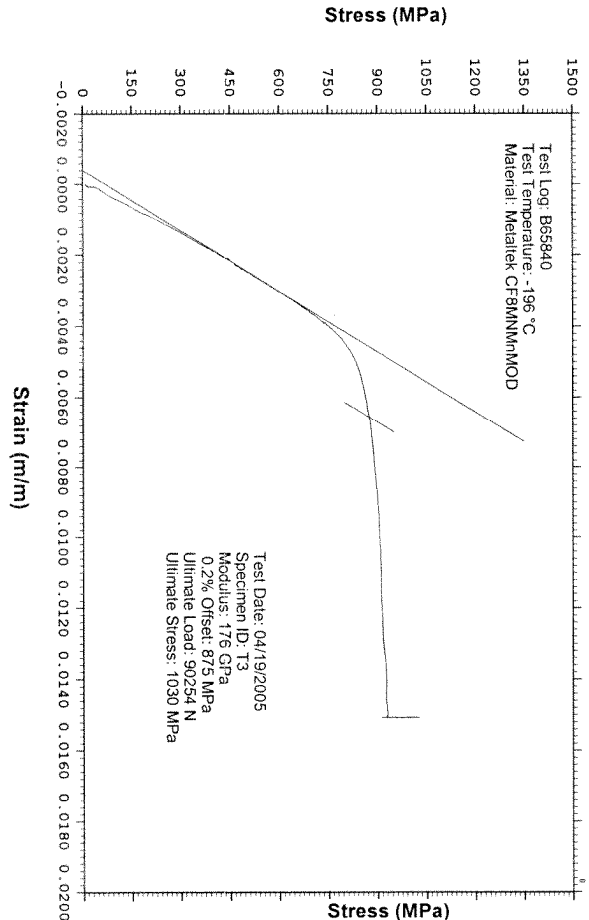
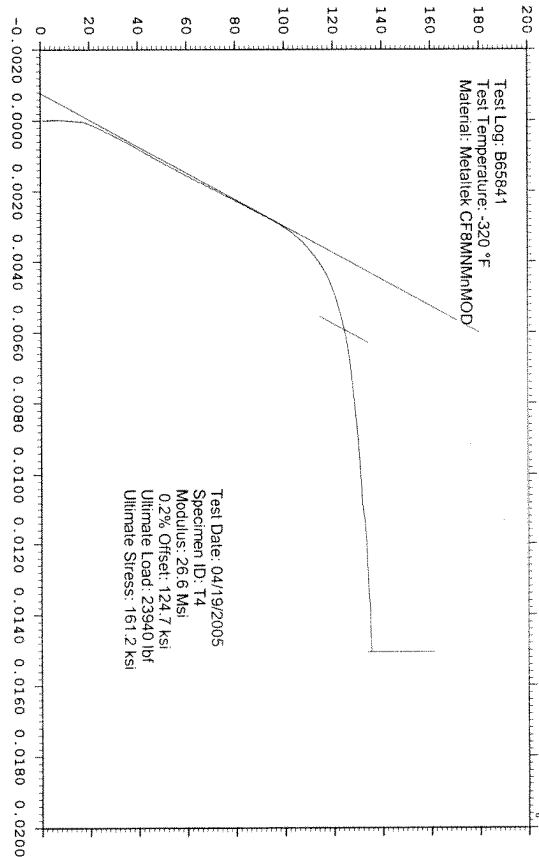
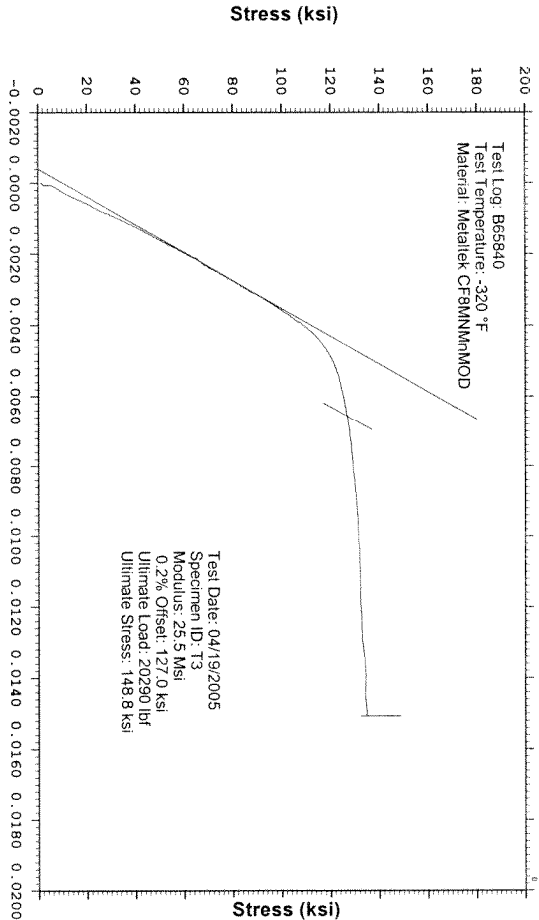
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Stress vs. Strain

Customer: Major Tool & Machine Inc.
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