

PRINCETON PLASMA
PHYSICS LAB

Purchase Order Number:
S005243-F

Part Number:
VVSA PANELS

Part Name:
VVSA FORMED PANELS
FOR PPPL LOT 1

MTM Work Order Number:
65678/6.0



Major
Tool & Machine, Inc.

Customer: 8780 - PRINCETON PLASMA PHYSICS LAB
Customer P.O.: S005243-F
Customer Part ID: VVSA PANELS - VVSA FORMED PANELS

Item#	Document Description / Material Description / File Name / Heat Lot
1	CERTIFICATE OF CONFORMANCE

SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
2	11	10	10	Material Certification: / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108622.TIF / 2650 5 6804
3	31	10	10	Material Certification: / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108621.TIF / 2650 5 6804

SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
4	12	10	10	Material Certification: / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108609.TIF / 2650 5 6804
5	32	10	10	Material Certification: / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108614.TIF / 2650 5 6804

SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
6	13	10	10	Material Certification: / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108562.TIF / 2650 5 6804
7	33	10	10	Material Certification: / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108561.TIF / 2650 5 6804

SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
8	14	10	10	Material Certification: / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108558.TIF / 2650 5 6797
9	34	10	10	Material Certification: / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108557.TIF / 2650 5 6797

SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
10	15	10	10	Material Certification: / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108581.TIF / 2650 5 6804
11	35	10	10	Material Certification: / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108587.TIF / 2650 5 6797

SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
12	16	10	10	Material Certification: / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108874.TIF / 2650 5 6804
13	36	10	10	Material Certification: / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108875.TIF / 2650 5 6804

SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
14	17	10	10	Material Certification: / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108524.TIF / 2650 5 6804
15	37	10	10	Material Certification: / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108547.TIF / 2650 5 6804

SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
16	18	10	10	Material Certification: / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108596.TIF / 2650 5 6797
17	38	10	10	Material Certification: / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108595.TIF / 2650 5 6797

Customer: 8780 - PRINCETON PLASMA PHYSICS LAB
Customer P.O.: S005243-F
Customer Part ID: VVSA PANELS - VVSA FORMED PANELS

SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
18	19	10	10	Material Certification: / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108867.TIF / 2650 5 6804
19	39	10	10	Material Certification: / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108868.TIF / 2650 5 6804

SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
20	20	10	10	Material Certification: / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108528.TIF / 2650 5 6804
21	40	10	10	Material Certification: / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108527.TIF / 2650 5 6804

SE120-003-1-1 - PANEL SEGMENT #1 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
22	1	30		Furnace charts: FURNACE CHART - mc110111.tif
23	1	30		Certification: H/T CERTIFICATE - Same as Item #22

SE120-003-1-2 - PANEL SEGMENT #2 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
24	2	30		Furnace charts: FURNACE CHART - mc110117.tif
25	2	30		Certification: H/T CERTIFICATE - Same as Item #24

SE120-003-1-3 - PANEL SEGMENT #3 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
26	3	30		Certification: H/T CERTIFICATE - mc110860.tif
27	3	30		Furnace charts: FURNACE CHART - Same as Item #26

SE120-003-1-4 - PANEL SEGMENT #4 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
28	4	30		Certification: H/T CERTIFICATE - MC111763.TIF
29	4	30		Furnace charts: FURNACE CHART - Same as Item #28

SE120-003-1-5 - PANEL SEGMENT #5 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
30	5	30		Certification: H/T CERTIFICATE - mc109340.tif
31	5	30		Furnace charts: FURNACE CHART - Same as Item #30
32	5	70		Certification: H/T CERTIFICATE - MC112176.TIF
33	5	70		Furnace charts: FURNACE CHART - Same as Item #32

SE120-003-1-6 - PANEL SEGMENT #6 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
34	6	30		Furnace charts: FURNACE CHART - mc110534.tif
35	6	30		Certification: H/T CERTIFICATE - Same as Item #34

SE120-003-1-7 - PANEL SEGMENT #7 Qty: 1

Customer: 8780 - PRINCETON PLASMA PHYSICS LAB
Customer P.O.: S005243-F
Customer Part ID: VVSA PANELS - VVSA FORMED PANELS

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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36	7	30		Certification: H/T CERTIFICATE - MC110724.TIF
37	7	30		Furnace charts: FURNACE CHART - Same as Item #36

SE120-003-1-8 - PANEL SEGMENT #8 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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38	8	30		Certification: H/T CERTIFICATE - mc110540.tif
39	8	30		Furnace charts: FURNACE CHART - Same as Item #38

SE120-003-1-9 - PANEL SEGMENT #9 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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40	9	30		Certification: H/T CERTIFICATE - mc110855.tif
41	9	30		Furnace charts: FURNACE CHART - Same as Item #40

SE120-003-1-10 - PANEL SEGMENT #10 Qty: 1

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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42	10	30		Furnace charts: FURNACE CHART - MC110562.TIF
43	10	30		Certification: H/T CERTIFICATE - Same as Item #42

WELD WIRE

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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44	0	10	10	Material Certification: TRACE ID: 94240 / INCONEL625_062_GTAW - WELD WIRE/GTAW, .062 DIA - MC094944.TIF / AB8051
45	0	10	20	Material Certification: TRACE ID: 95568 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095629.TIF / CB7996
46	0	10	20	Material Certification: TRACE ID: 95373 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095872.TIF / CB7996

CERTIFICATE OF CONFORMANCE

Page: 1
Date: 09/09/06
User ID: UPCHURC#

TO: PRINCETON PLASMA PHYSICS LAB

DATE: 09/30/2005

ATTENTION: Receiving Department

Seller certifies that:

Part Number: VVSA PANELS

Purchase Order: S005243-F

Part Name: VVSA FORMED PANELS

Workorder: 65678/6.0

Part Serial Number: N/A

Quantity: 10

1. These materials and/or parts were produced in conformance with all contractually applicable Government and/or Customer specifications referred in, or furnished with, the above Purchase Order.
2. The materials and/or parts furnished under the above Purchase Order were produced:
[] From materials furnished by Customer for the production of such parts.
[X] From materials for which the seller has available for examination chemical and/or physical test reports or other evidence of conformance to applicable specifications.
3. All processes required in the production of these part and/or materials are listed below and were performed by a facility or personnel approved or certified by the Seller and the customer when such approval or certification is required by contract.

Certifications are on file at this plant.

Other Requirements:

FORMED PANELS FOR PPPL LOT 1.

Signature: R. K. Upchurch Title: Inspector Date: 9-30-05

CUSTOMER COPY
HAYNES International
Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSTUEGNIS
Customer Reference: P05-00965
Report No. Zeugnis Nr: 20050527079
Pages of Pages / Page de Pages / Anzahl der Seiten: 1 Of 4

Sold To • Client • Bestelltranschrift:
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA
Ship To • Destinaataire • Bestelldatige:
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA
Quantity Ordered / Quantite Commandee / Bestelldmenge: 1 PC
Quantity Shipped / Quantite Expeditee / Liefermenge: 1 PC
Product Description • Description Produit • Material Beschreibung:
0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

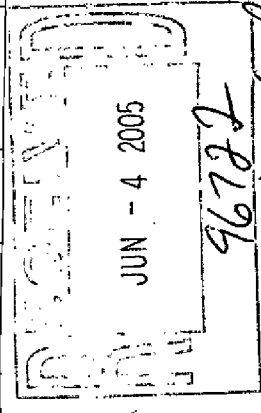
Specification • Specification • Spezifikation:
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero de Charge / Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse											W							
	Al	B	C	Cr	Fe	Mn	Mo	Ni	P	S	Si								
2650 5 6804 3.4769		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	<0.002	0.14	0.2695					BUTT END *02	

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 04 2005



96782
Line 6 B-1

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. Rechnungs Nr. 435100006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No. Zeugnis Nr. 20050527079	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expedite
Liefermenge
1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch	
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze
131000 PSI	61000 PSI	(1)(A)	(1)(A)
48 %			
% Elong In % Allong EN % Dehnung	% Elong In % Allong EN % Dehnung	% Elong In % Allong EN % Dehnung	% Elong In % Allong EN % Dehnung
%RA	%RA	%RA	%RA
Temp.	Temp.	Temp.	Temp.

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656802



JUN 04 2005

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902



Product Description • Description Produit • Material Bezeichnung

0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs-Nr 435100006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnr P05-00965	Report No. Rapport No Zeugnis Nr 20050527079	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinaire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Annealed Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossueur De Grain Korngrösse	IGA	Uniformity	Corrosion Rate Corrosion	Oxidation Rate	Charpy Impact Test			Creep Rupture				
						Toughness Avg Ft. Lbs.	Toughness Ft. Lbs.	Toughness Ft. Lbs.	Test Result Verzuch	Stress Straining PSI	Hours Hours Stunden	% Elong In % Allong EN	% Elong @ 15 Hrs
99 HRB	(D)A	6		MPY		1	2	3					

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742656802

Amanda Aguirre

JUN 04 2005



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1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902



Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0

SE120-003 PANEL 1 REV:0A

HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr. 435100006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnr. P05-00965	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestelldatumschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Report No. Zeugnis Nr. 20050527079
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifié Par • Besetteinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN 04 2005



THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE ENTIRE LOT OF THE SUBJECT SUPPLY. THIS MATERIAL MEETS THE REQUIREMENTS OF THE UNITED STATES GOVERNMENT, MODIFIED BY ANY EXCEPTIONS OF PURCHASE ORDER REQUIREMENTS. THE REPLYING OF FALSE INFORMATION IS PROHIBITED UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW TITLE 18, CHAPTER 47. THIS DOCUMENT MAY BE FINISHED AS AN EQUALLY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW TITLE 18, CHAPTER 47. THIS DOCUMENT WILL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUESTING MULTIPLE MATERIAL SPECIFICATIONS.

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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No Rechnungs Nr 435100007-0	Date Entered Date De Commande 03/06/05	Customer Reference Référence Client Kundenbestellidaten F05-00965	Report No. Zeugnis Nr 20050527078	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
Sold To • Client • Bestellauftrag MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		

Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numéro de Coche Charge Nr	Al	B	C	Cr	Co	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W
2650 5 6804	0.22		0.021	21.73	0.1738	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695		
2650 5 6804	3.4769	<0.05														BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 04 2005
MTH 08

RECEIVED
JUN - 4 2005
96723
Line 7 B-7

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1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435100007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnr. P05-00965	Report No. Rapport No. Zeugnis Nr. 20050327078	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestelladresse
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASTM-B-443, 00el, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA
131000 PSI	61000 PSI	48 %	(D)(A)		

Tensile Test at Elevated Temperature • Essai De Traction A Hie Temp. Warm Zugversuch

Test Essai Versuch	Temp.	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitschendversuch

Test Essai Versuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	%RA	%RA

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656802

JUN 04 2005



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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
SE120-003 PANEL 1 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,ST000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS		
Invoice No. No. De Facture Rechnungs Nr. 435100007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965
	Report No. Rapport No. Zeugnis Nr. 20050527078	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4

Sold To • Client • Bestelltranschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spécification • Spezifikation	Quantity Ordered Quantité Commandée Bestellmenge	Quantity Shipped Quantité Expédiée Liefermenge
ASTM-B-443, 00e1, UNS# N06625, Gr. 1, PS-489, E	1 PC	1 PC

Annealed Hardness Dureté Recuit Gegläutlicht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosueur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture								
		Grain Size Proportionnel Grain Size	Recry. Grain Durety. Grain %					ALW Figure Number	ALW Figure Number	Toughness Avg.	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs
99 HRB	(1)(A)	6				MPY													

Certified By • Certifié Par • Bescheinigt Durch: **Amanda Aguirre**
Certification Technician
Amanda Aguirre

5/27/2005 (1) 2742656802

JUN 04 2005

MTM 09

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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0

SE120-003 PANEL 1 REV:0A

HAYNES(R) 625 ALLOY PLATE

Nadcap CERTIFICATE NUMBER 0089

S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. Rechnungs Nr. 435100007-0	Customer Reference Reference Client Kundenbestelldaten P05-00965
Date Entered Date De Commande Bestelldatum 03/06/05	Report No. Rapport No. Zeugnis Nr. 20050527078
Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4	
Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellemenge 1 PC
	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
 THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
 Material conforms to PS-483 Revision H as applicable.
 Mill Orders Used: 2742656802 (1 PC)
 (A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

JUN 04 2005



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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr. 435388006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellkaten POS-00967	Report No. Rapport No Zeugnis Nr. 20050527083
Sold To • Client • Bestellauschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
--	---

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

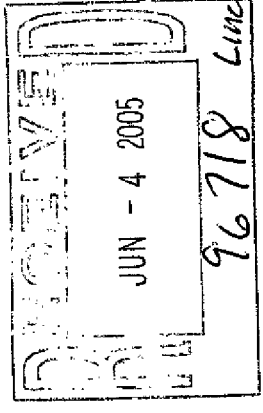
Heat Number Nuance/De Coque Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch-Ti (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804 0.22			0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804 3.4769	0.05																	BUTT END *02

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435388006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnr P05-00967	Report No. Rapport No Zeugnis Nr 20050527083	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
---	--	--	---	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
--	---

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch		Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch	
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA
131000 PSI	61000 PSI	48 %	(1)(A)		

5/27/2005 (1) 2742656802

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Certification Technician

Amanda Aguirre



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Product Description • Description Produit • Material Beschreibung
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SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr. 435388006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnummer P05-00967	Report No. Rapport No Zeugnis Nr. 20050527083	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
--	--	--	--	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation
ASTM-B-443, 00el, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
--	---

Annealed Hardness Durete Recuit Gegluht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngrösse	IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture								
							Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.	Stress Constrainte Spannung	Hours Heures Stunden	% Elong in % Allong EN % Dehnung	% Elong @ 15 Hrs		
99 HRB	(IXA) 6				MPY													

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre**
Certification Technician

Amanda Aguirre

S/27/2005 (1) 2742656802



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SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS			
Invoice No Rechnungs Nr 43-5388000-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527083
Ship To • Client • Bestellauftrag MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

Amanda Aguirre

5/27/2005

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Product Description • Description Produit • Material Beschreibung

0.375 x 0.007 x 0.007
SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No.
No. De Facture
Rechnungs Nr
435388007-0

Date Entered
Date De Commande
Bestelldatum
03/06/05

Customer Reference
Reference Client
Kundenbestellnum
P05-00967

Report No.
Rapport No
Zeugnis Nr
20050527082

Pages of Pages
Pages de Pages
Anzahl der Seiten
1 Of 4

Sold To • Client • Bestellarnschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

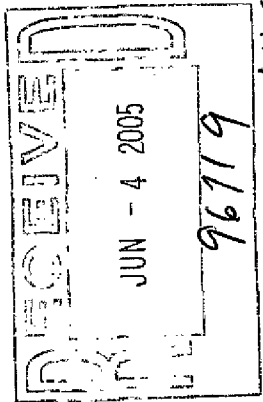
Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero de Centre Charge-Nr	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	Other
2650 5 6804	0.22		0.021	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804	3.4769	<0.05														BUTT END *02

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Certification Technician

Amanda Aguirre

JUN 04 2005



Line 1 B2

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Kokomo, Indiana, 46902

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Product Description • Description Produit • Material Beschreibung
0.375 x 0/0
SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No Rechnungs Nr 435388007-0	Date Entered Bestelldatum 03/06/05
Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527082
Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4	

Sold To • Client • Bestellauftrag
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestimmung
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Htg. Temp. Warm Zugversuch	
Ultimate Zugfestigkeit	131000 PSI	Ultimate Zugfestigkeit	(1)(A)
0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	61090 PSI	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	(1)(A)
% Elong In % Allong EN % Dehnung	48 %	% Elong In % Allong EN % Dehnung	
%RA		%RA	
Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC	Test Essai Versuch	Test Essai Versuch
Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch		Temp.	

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

(1) 2742656802

5/27/2005

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No.
No. De Facture
Rechnungs Nr.
435388007-0

Date Entered
Date De Commande
Bestelldatum
03/06/05

Customer Reference
Référéncé Client
Kundenbestellkästen
P05-00967

Report No.
Rapport No.
Zeugnis Nr.
20050527082

Pages of Pages
Pages de Pages
Anzahl der Seiten
3 Of 4

Sold To • Client • Bestellrauschrift

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Product Description • Description Produit • Material Beschreibung

0.375 x 0.0030/0
SE120-003 PANEL 2 REV.0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Aged Hardness Dureté Vieilli Geshärtete Härte	Grain Size Grossenr De Grain Korngrösse	Predeformant Grain Size Grain Size	Recry. Grain Unertry. Grain %	A-LA P&W Figure Number	IGA	Uniformity	Corrosion Rate	Charpy Impact Test			Creep Rapture						
								Toughness Avg. Fl. Lbs.	Toughness 1 Fl. Lbs.	Toughness 2 Fl. Lbs.	Toughness 3 Fl. Lbs.	Stress Constratue Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ L5 Lbs		
99 HRB	(1)(A)	6															

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

(1) 2742656802

Amanda Aguirre

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 159/0
SE120-003 PANEL 2 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr. 435388007-0	Customer Reference Reference Client Kundenbestellkaten PW5-00967
Date Entered Date De Commande Bestelldatum 03/06/05	Report No. Rapport No Zeugnis Nr. 20050527082
Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC
	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 9F to 1950 9F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN 04 2005



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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435389006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No. Zeugnis Nr. 20050527120	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Sold To • Client • Bestellaanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
--	---

Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1, PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

Heat Number Numero De Caille Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse															
	Al	B	C	Cr	Co	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	21.73	0.1738	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804	3.4769	<0.05														BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

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SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Report No.
Zeugnis Nr
20050527120

Customer Reference
Referenz Client
Kundenbestellnummer
P05-00994

Date Entered
Date De Commande
Bestelldatum
03/06/05

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Sold To • Client • Bestellarnschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expeditee
Liefermenge
1 PC

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Elevated Temperature • Essai De Traction A.Hte.Temp.

Tensile Test at Room Temperature • Essai De Traction A.Temp. Ambiante • Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	% RA
131000 PSI	61000 PSI	48 %	(1)(A)			

Stress Rupture Temperature • Essai A.Charge De Rupture Zeitstandversuch

Test Essai Versuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656802

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Product Description • Description Produit • Material Beschreibung

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SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S100E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Enchere Rechnungs Nr. 435389006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestelldaten P05-00994	Report No. Rapport No. Zeugnis Nr. 20050527120	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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Sold To • Client • Bestellanweisung MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
---	---	--	--

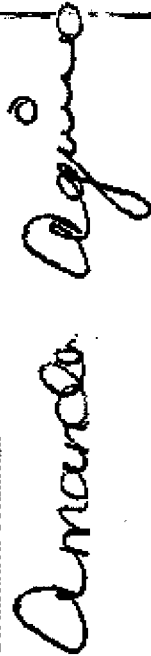
Specification • Spécification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489; E

Annealed Hardness Dureté Result Geblecht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosser De Grain Korngrösse			IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test				Creep Rupture													
		Grain Size Predominant Grain Size	Recry. Grain Grain %	Unrecry. Grain %					ALN Figure Number	Attack Depth	Corrosion	Test Method	Toughness Avg. Pt. Lbs.	Toughness Pt. Lbs.	Toughness Pt. Lbs.	Toughness Pt. Lbs.	Test Eskal Versuch Temp.	Stress Constraine Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs					
99 HRB	(1)(A)	6																								

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742656802



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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFICÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 433389006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No. Zeugnis Nr 20050327120	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestellauschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E				

Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
---	---

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

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SE120-003 PANEL 3 REV-0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435389007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référéncé Client Kundenbestellnum P05-00994	Report No. Rapport No Zeugnis Nr. 20050527118	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Sold To • Client • Bestellanzschritt
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr: 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Charge Charge Nr.	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Ti	V	W	
2650 5 6804	0.22		0.021	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695		BUTT END *02

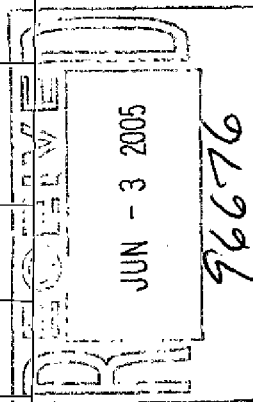
Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Charge Charge Nr.	As	Bi	Ca	Si	Ni-Co	Ni-Mo	Butt End
2650 5 6804	3.4769	<0.05		0.14	0.2695		BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005



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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Report No.
Rapport No.
Zeugnis Nr.
20050527118

Customer Reference
Reference Client
Kundenbestellidatien
P05-00994

Date Entered
Date De Commande
Bestellidatien
03/06/05

Ship To • Destinataire • Bestelmenge

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Sold To • Client • Bestellanschrift

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantite Commandee
Bestelmenge

1 PC

Quantity Shipped
Quantite Expediee
Liefermenge

1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch
Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA
131000 PSI	61000 PSI	48 %	(1)(A)		

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp.
Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zellstandversuch

Test Essai Versuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656802

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435389007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnummer P05-00994	Report No. Rapport No. Zeugnis Nr. 20050527118	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
---	--	--	---	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
 ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Ceglucht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossenr De-Grain Korngrösse			IGA	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Corrosion Rate Corrosion MPY	Quantity Shipped Quantité Expédiée Liefermenge 1 PC	Oxidation Rate	Charpy Impact Test			Creep Rupture					
		Grain Size Prédominant Grain Size	Dirrecy. Grain %	ALA						Toughness Avg Ft. Lbs.	Toughness 1 Ft. Lbs.	Toughness 2 Ft. Lbs.	Toughness 3 Ft. Lbs.	Test Essai Versuch Temp.	Stress Contrainte Spannung PSI	Hour Heures Stunden	% Elong In % Allong EN % Dähnung	% Elong % 15 Hrs
99 HRB	(1)(A)	6			6													

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre**
 Certification Technician

5/2/2005 (1) 2742656802

Amanda Aguirre



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PO Box 9013
Kokomo, Indiana, 46902

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 3 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435389007-0	Customer Reference Reference Client Kundenbestelldaten P05-00994
Date Entered Date De Commande Bestelldatum 03/06/05	Report No. Rapport No. Zeugnis Nr. 20050527118
Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4	

Sold To • Client • Bestellausschreibr MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

All tests and inspections have been performed and results meet specification requirements.
 THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
 Material conforms to PS-483 Revision H as applicable.
 Mill Orders Used: 2742656802 (1 PC)
 (A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

5/27/2005

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435391005-0	Date Entered Date De Commande Bestelldatum 03/07/05
Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No. Zeugnis Nr. 20050527125
Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4	

Ship To • Destinataire • Bestellmenge	
Sold To • Client • Bestellanschrift	Quantity Ordered Quantité Commandée Bestellmenge
MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	1 PC
MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

Specification • Spezifikation

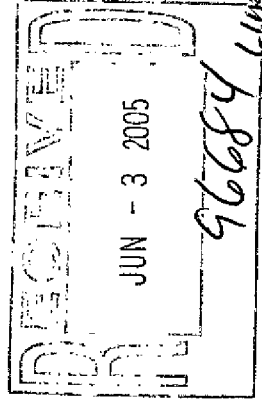
ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr: 1; PS-489, E

Heat Number Numéro de Cuite Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cr-Ta (ppm)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
UNSP 2650 5 6797	Ta <0.05		Zr	Bi	Se	La	Pb		Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005



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HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnung Nr 435391005-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestellnr P05-00996	Report No. Rapport No. Zeugnis Nr 20050527125	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellarausschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
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Specification • Spécification • Spezifikation

ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch

Ultimate Zugfestigkeit		0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze		1% Yield Lim. Elong. A 1% 1% Streckgrenze		1% Yield Lim. Elong. A 1% 1% Streckgrenze		0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze		Quantity Ordered Quantite Commandee Bestellmenge		Quantity Shipped Quantite Expeditee Liefermenge	
Test Essai Versuch	Temp.	% Elong In % Allong EN % Dehnung	%RA	%RA	%RA	%RA	%RA	%RA	%RA	% Elong In % Allong EN % Dehnung	%RA	%RA	% Elong In % Allong EN % Dehnung
133000 PSI	78500 PSI	40 %	(1)(A)								1 PC	1 PC	

Tensile Test at Elevated Temperature • Essai De Traction A Hie. Temp.

Ultimate Zugfestigkeit		0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze		1% Yield Lim. Elong. A 1% 1% Streckgrenze		1% Yield Lim. Elong. A 1% 1% Streckgrenze		0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze		Quantity Ordered Quantite Commandee Bestellmenge		Quantity Shipped Quantite Expeditee Liefermenge	
Test Essai Versuch	Temp.	% Elong In % Allong EN % Dehnung	%RA	%RA	%RA	%RA	%RA	%RA	%RA	% Elong In % Allong EN % Dehnung	%RA	%RA	% Elong In % Allong EN % Dehnung

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005 (1) 2742656803

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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

Invoice No Rechnungs Nr 435391005-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenspezifika P05-00996	Report No. Rapport No Zeugnis Nr 20050527125	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
---	--	--	---	--

Sold To • Client • Bestellauftrag
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Durete Recuit Gealterte Haerte	Grain Size Grossueur De Grain Korngroesse	Aged Hardness Durete Vieilli Gealtert Haerte	Prevalent Grain Size	Recry. Grain	Durecty. Grain %	ALA	F&W Figure Number	IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rapture		
												Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.
90 HRB	(U)(A)	5															

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742656803

Amanda Aguirre

THE DATA AND VALUES WERE OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTION. THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE ELEMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.



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Kokomo, Indiana, 46902

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL, 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr 435391005-0	Customer Reference Reference Client Kundenbestellblatt P05-00996
Date Entered Date De Commande Bestelldatum 03/07/05	Report No. Rapport No Zeugnis Nr 20050527125
Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4	

Ship To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

All tests and inspections have been performed and results meet specification requirements.
 THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
 Material conforms to PS-483 Revision H as applicable.
 Mill Orders Used: 2742656803 (1 PC)
 (A) 1750 °F to 1950 °F

5/27/2005

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 Certification Technician

Amanda Aguirre

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Product Description • Description Produits • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Invoice No. No. De Facture Rechnungs Nr. 435391004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestellkz P05-00996	Report No. Rapport No Zeugnis Nr. 20050527126	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
---	--	--	--	--

Sold To • Client • Bestelltranschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

ASMIE-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E

Specification • Specification • Spezifikation

Heat Number Numero De Charge Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch-Ta (Nb-Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05	Zr	Bi	Se	La	Pb	Mg	Y	Ag	N	Ca	Al-Ti	NH-Co	NH-Mo			BUTT END *03

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. Rechnungs Nr 435391004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527126	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
--	--

Specification • Specification • Spezifikation

ASMIE-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Hie. Temp. Warm Zugversuch		Quantity Ordered Quantite Commandee Bestellmenge		Quantity Shipped Quantite Expeditee Liefermenge	
Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 0.2% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	%RA	%RA	1 PC	1 PC	
133000 PSI	78500 PSI	40 %	(D)(A)				

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre Certification Technician	5/27/2005 (1) 2742650803
---	-----------------------------

Amanda Aguirre

JUN 03 2005



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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435391004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestellnr P05-00996	Report No. Rapport No. Zeugnis Nr 20050527126	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
---	--	--	--	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Gegleucht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosser De Grain Korngrösse			IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture							
		Grain Size Prédominant Grain Size	Recry. Grain Unrecry. Grain %	ALA P&W Figure Number					Attack Depth	Corrosion	Test Method	Toughness Avg Fl. Lbs.	Toughness 1 Fl. Lbs.	Toughness 2 Fl. Lbs.	Toughness 3 Fl. Lbs.	Test Essai Versuch Temp.	Sizes Constraine Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung
90 HRB	(1)(A) 5						MPY												

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742656803

Amanda Aguirre

JUN 03 2005
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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S100E,EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr 435391004-0	Date Entered Date De Commande Bestelldatum 03/07/05
Customer Reference Reference Client Kundenbestelldaten POS-00996	Report No. Rapport No Zeugnis Nr 20050327126
Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4	
Sold To • Client • Bestellauftragschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC
	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.

Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN 03 2005



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Product Description • Description Produit • Material Beschreibung
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SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000F, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435564006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050527114	Pages of Pages Page de Pages Anzahl der Seiten 1 OF 4
---	--	---	---	--

Ship To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASTM-B443, 00e1, UNS# N06625, Gr. 1; PS-489, E

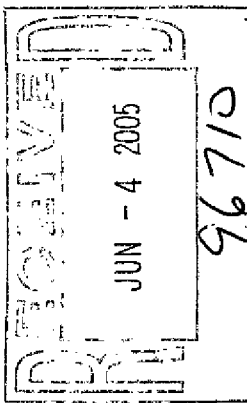
Heat Number Numero De Cuite Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse															
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804	3.4769	<0.05														BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN 04 2005



96710
Line 6 B1

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No Rechnungs-Nr 435564006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527114	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
---	--	---	---	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Specification • Specification • Spezifikation

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.

Ultimate Zugfestigkeit	131000 PSI	% Yield Lim. Elast. A 1%	61000 PSI	% Elong In % Allong EN % Dehnung	48 %	%RA	(1)(A)
---------------------------	------------	-----------------------------	-----------	--	------	-----	--------

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch

Ultimate Zugfestigkeit		1% Yield Lim. Elast. A 1%		% Elong In % Allong EN % Dehnung		%RA	
---------------------------	--	------------------------------	--	--	--	-----	--

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandsversuch

Test Essai Versuch		Stress Contrainte Spannung		Hours Heures Stunden		% Elong In % Allong EN % Dehnung		% RA
--------------------------	--	----------------------------------	--	----------------------------	--	--	--	------

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

(1) 2742656802

Amanda Aguirre

JUN 04 2005



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Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr. 435564006-0	Customer Reference Reference Client Kundenbestellnummer P05-00997
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No. Zeugnis Nr. 20050527114
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Spécification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr: 1; PS-489, E

Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosser De Grain Korngrösse	IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test				Creep Rupture								
						Toughness Avg Fl. Lbs.	Toughness 1 Fl. Lbs.	Toughness 3 Fl. Lbs.	Toughness Fl. Lbs.	Test Essai Versuch Temp.	Stress Constraine Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs				
99 HRB (1)(A)	6			MPY														

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Certification Technician

5/27/2005 (1)2742650802

Amanda Aguirre

JUN 04 2005
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Haynes International
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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E,EN 10204 3.J.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. Rechnungs Nr. 435564006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050527114	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Sold To • Client • Bestellanwenschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 04 2005



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SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435564005-0	Report No. Rapport No. Zeugnis Nr. 20050327115
Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997

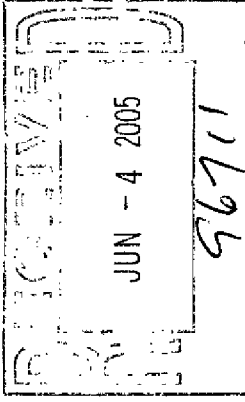
Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Spécification • Spezifikation
ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero Du Contre Charge No.	Chemical Analysis • Analyse Chimique • Chemische Analyse															
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05														BUTT END *03



JUN 04 2005
MTH 09

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

Line 7 8-7

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Product Description • Description Produit • Material Bezeichnung

0.375 x 0/0 x 0/0
SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EIN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No. 435564005-0
Date of Fracture 03/08/05
Customer Reference P05-00997
Report No. 20050527115
Pages of Pages 2 Of 4

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation
ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered 1 PC
Quantity Shipped 1 PC

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch
Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Strain/elongation	0.2% Yield Lim. Elong. A 0.2% 0.2% Strain/elongation	%RA	%RA
	78500 PSI	40 %	(1)(A)	

Test at Elevated Temperature • Essai De Traction A Hie. Temp.
Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Strain/elongation	0.2% Yield Lim. Elong. A 0.2% 0.2% Strain/elongation	%RA	%RA

Test at Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

Test Essai Versuch	Stress Constante Spannung	Hours Hours Stunden	% Elong in % Along EN % Dehnung	% RA
Temp:				

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

(1) 2742656803

5/27/2005

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SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435564005-0	Customer Reference Reference Client Kundenbestelldaten P05-00997
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No. Zeugnis Nr. 20050527115
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestellanschrift
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 IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
 1458 E 19TH ST
 INDIANAPOLIS
 IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestelldmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Spécification • Spezifikation
 ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Gegleitet Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosseur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate Corrosion	Oxidation Rate	Charpy Impact Test			Creep Rupture								
		Grain Size Profilant Grain Size	Recry. Grain Unrecry. Grain %					ALA	Attack Depth	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp	Hours Heures Stunden	Stress Contrainte Spannung	% Elong In % Allong EN % Dehnung
90 HRB	(1)(A)	5				MPY													

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 Certification Technician

5/27/2005 (1) 2742656803

JUN 04 2005

Amanda Aguirre

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SE120-003 PANEL 5 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKZEUGNIS

Invoice No Rechnungs Nr 435564005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr 20050527115	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Ship To • Client • Bestellanrschrift
MAJOR TOOL AND MACHINE INC
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INDIANAPOLIS
IN 46218 USA

Ship To • Destinaire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
--	---

Specification • Spezifikation

ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

Amanda Aguirre

5/27/2005

JUN 04 2005



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0.375 x 0/0 x 0/0
SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr 435568006-0	Customer Reference Reference Client Kundenscheididatien P05-00999
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No Zeugnis Nr 20050527065
Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4	

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

Chemical Analysis • Analyse Chimique • Chemische Analyse																																			
Heat Number Numero De Centre Charge Nr	Element	Value	Element	Value	Element	Value	Element	Value	Element	Value	Element	Value																							
2650 5 6804	Al	0.25	B		C	0.027	Ce	3.47	Co	0.1686	Cr	21.71	Cu	0.0711	Fe	4.0356	Mn	0.2493	Mo	8.77	Ni	60.45	P	0.007	S	0.002	Si	0.14	Ti	0.2738	V		W		BUTT END *03
	2650 5 6804	3.4664	Ta	<0.05	Zr		Bi		Sc		La		Pb		Mg		Y		Ag		N		Ca		Al+Ti		Ni+Co		Ni+Mo		BUTT END *03				

5/27/2005

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 10 2005



JUN 10 2005
36903-128
Line 6

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Product Description • Description Produit • Material Beschreibung

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SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S100E, EN 10204 3.1.B, AS9100

Invoice No. Rechnungs Nr. 435568006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellkdaten P05-00999	Report No. Rapport No. Zeugnis Nr. 20050527065	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellaufschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destination • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
--	--

Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch		Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp.		Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch	
Bei Raum Temp.		Warm Zugversuch			
Ultimate Zugfestigkeit	Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	1% Yield Lim. Elast. A 1% 1% Streckgrenze	% Elong In % Allong EN % Dehnung	% RA % RA
132000 PSI	68500 PSI	52 %	(1)(A)		

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

(1) 2742657101

5/27/2005

Amanda Aguirre

JUN 10 2005



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SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No No. De Facture Rechnungs Nr 435568006-0	Customer Reference Référence Client Kundenbestelldaten P05-00999
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No Zeugnis Nr 20050527065
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestelltranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Specification • Spécification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--

Annealed Hardness Dureté Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngrösse	IGA	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture					
					Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong 15 Hrs
98 HRB	(1)(A) 6	ATAK DAPI	Corrosion N/A		1 Ft. Lbs.	1 Ft. Lbs.	2 Ft. Lbs.	3 Ft. Lbs.	PSI				

Certified By • Certifié Par • Bescheinigt Durelt: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742657101

Amanda Aguirre

JUN 10 2005

MTM 016

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Product Description • Description Produit • Material Beschreibung

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HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS		Report No. Rapport No. Zeugnis Nr.	Pages of Pages Page de Pages Anzahl der Seiten
Invoice No. No. De Facture Rechnungs Nr.	Date Entered Date De Commande Bestelldatum	20050527065	4 Of 4
Customer Reference Reference Client Kundenbestelldaten	Ship To • Destinataire • Bestellmenge	MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Client • Bestellauftrag	Quantity Ordered Quantité Commandée Bestellmenge	1 PC	Quantity Shipped Quantité Expédiée Liefermenge
Specification • Spécification			1 PC
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	<p>All tests and inspections have been performed and results meet specification requirements. THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION. Material conforms to PS-483 Revision H as applicable. Mill Orders Used: 2742657101 (1 PC) (A) 1750 °F to 1950 °F</p>		

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 10 2005



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JUN 10 2005

**Magnetic Permeability Test Witness**

Haynes observed Mr. Edwards of Major Tool test the orders listed below for Magnetic Permeability on April 19, 2005, using a Severn Engineering Permeability Indicator #6763, identified as gauge J-1165 in Major Tool's calibration system. The gauge was in calibration and was due for recalibration on December 27, 2005. All items tested below were <1.01 magnetic permeability.

Heats Tested

2650-4-6771
2650-5-6797
2650-5-6804

Purchase Order Numbers

P05-00965 – Panel 1
P05-00966 – Panel 10
P05-00967 – Panel 2
P05-00994 – Panel 3
P05-00996 – Panel 4
P05-00997 – Panel 5
P05-00999 – Panel 6
P05-01001 – Panel 7
P05-01002 – Panel 8
P05-01003 – Panel 9
P05-01004 – 25" dia discs

Best Regards,

Marlin C. Losch III

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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS
Report No. / Rapport No. / Zeugnis Nr. 20050527064
Pages of Pages / Page de Pages / Anzahl der Seiten 1 Of 4

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered / Quantite Commandee / Bestellmenge 1 PC

Quantity Shipped / Quantite Expeditee / Liefermenge 1 PC

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Specification • Specification • Spezifikation

Heat Number Numero De Coche Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cr-Ta (Ni-Ta)	Co	Cl	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.25		0.027	3.47	0.1686	21.71	0.0711	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738			BUTT END #03
2650 5 6804	3.4664	<0.05	Zr	Bi	Se	La	Ce+Pr	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Mo			BUTT END #03

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

Amanda Aguirre

JUN 10 2005

261904 AM

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FETTEROUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAWS. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Invoice No. Rechnungs Nr. 435568007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No. Zeugnis Nr. 20050527064	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
--	--	--

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch			Tensile Test at Elevated Temperature • Essai De Traction A Hie.Temp.			Stress Rupture Temperature • Essai A Charge De Rupture Zeltstandversuch				
Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	Test Essai Verfah.	Stress Constatate Spannung	Haus Haus Standa	% Elong In % Allong EN % Dehnung	% RA % RA
132000 PSI	68500 PSI	52 %	(1)(A)							

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
Amanda Aguirre
(1) 2742657101
5/27/2005

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ATM 016

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE MATERIALS IN THE SUBJECT ENVIRONMENT. THIS MATERIAL MAKES THE ABOVE REPRESENTATION OF THE MATERIALS. MODIFIED BY ANY REQUIREMENTS OR SPECIFICATIONS REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR PARTICIPANT STATEMENTS OR FALSIFICATIONS ON THIS DOCUMENT MAY BE PUNISHED UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 49. THIS DOCUMENT SHALL NOT BE REPRODUCED, EITHER IN FULL OR PART, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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HAYNES
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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Invoice No No. De Facture Rechnungs Nr 435568007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestellnummer P05-00999	Report No. Rapport No Zeugnis Nr 20050527064	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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Sold To • Client • Bestellanwirtschft MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
---	---	--	--

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Gegheut Haerte	Aged Hardness Dureté Vieilli Gealtert Haerte	Grain Size Grossueur De Grain Korngrösse	Grain Size Preliminary Grain Size	Recry. Grain Grain %	ALA	P&W Figure Number	IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture					
											Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs
98 HRB	(1)(A)	6							MPY			PL Ds.	PL Ds.	PL Ds.	PL Ds.				

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742657101

Amanda Aguirre

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MTM 016

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS OF THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OFFICIALS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS, SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA. THE MATERIAL SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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SE120-003 PANEL 6 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, FN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr. 435568007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Ship To • Client • Bestellauschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellinenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

Amanda Aguirre



JUN 10 2005

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SUPPLY. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LATEST SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR IN CHIEF ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT DATA ON THIS DOCUMENT MAY BE PENALIZED UNDER FEDERAL AND STATE LAWS. ALL TESTS WILL MEET THE REQUIREMENTS, EXCEPT IN CASES WHERE THE MATERIAL DOES NOT MEET THE REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT DATA ON THIS DOCUMENT MAY BE PENALIZED UNDER FEDERAL AND STATE LAWS. ALL TESTS WILL MEET THE REQUIREMENTS, EXCEPT IN CASES WHERE THE MATERIAL DOES NOT MEET THE REQUIREMENTS.

JUN 10 2005

**Magnetic Permeability Test Witness**

Haynes observed Mr. Edwards of Major Tool test the orders listed below for Magnetic Permeability on April 19, 2005, using a Severn Engineering Permeability Indicator #6763, identified as gauge J-1165 in Major Tool's calibration system. The gauge was in calibration and was due for recalibration on December 27, 2005. All items tested below were <1.01 magnetic permeability.

Heats Tested

2650-4-6771

2650-5-6797

2650-5-6804

Purchase Order Numbers

P05-00965 – Panel 1

P05-00966 – Panel 10

P05-00967 – Panel 2

P05-00994 – Panel 3

P05-00996 – Panel 4

P05-00997 – Panel 5

P05-00999 – Panel 6

P05-01001 – Panel 7

P05-01002 – Panel 8

P05-01003 – Panel 9

P05-01004 – 25" dia discs

Best Regards,

Marlin C. Losch III

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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 7 REV-0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435571006-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestellnummer P05-01001	Report No. Rapport No. Zeugnis Nr. 20050527069
Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4	

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero de Caille Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse															
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695		BUTT END *02
2650 5 6804	3.4769	<0.05														BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
Amanda Aguirre

5/27/2005

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96576
Line 6 B.7

WHEN IT IS CERTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT, THIS MATERIAL MEETS THE REQUIREMENTS OF THE LIMITED SPECIFICATION. MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL INC. SPECIFICATION MARKING REQUIREMENTS MAY BE VARY ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.

MTM 09
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HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 7 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435571006-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527069
Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4	

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expedite
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.	
Ultimate Zugfestigkeit 131000 PSI	0.2% Yield Lim. Elast. A. 0.2% 0.2% Streckgrenze 61000 PSI
	%RA (1)(A)
	% Elong In % Allong EN % Dehnung 48 %
Tensile Test at Elevated Temperature • Essai De Traction A Hic. Temp. Warm Zugversuch	
Ultimate Zugfestigkeit	0.2% Yield Lim. Elast. A. 0.2% 0.2% Streckgrenze
	%RA
	% Elong In % Allong EN % Dehnung
Stress Rupture Temperature • Essai A Charge De Rupture Zeitsstandversuch	
Test Essai Versuch	Stress Contrainte Spannung
Temp.	Hours Heures Stunden
	% Elong In % Allong EN % Dehnung
	% EA % RA

(1) 2742656802

5/27/2005

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

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Kokomo, Indiana, 46902

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 7 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435571006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Zeugnis Nr. 20050527069	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		
Quantity Ordered Quantité Commandée Bestellmenge 1 PC		Quantity Shipped Quantité Expédiée Liefermenge 1 PC		

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Gegeben Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosseur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture							
		Grain Size Grosseur De Grain Korngrösse	Grain %					Grain Size Grosseur De Grain Korngrösse	Grain %	Toughness Avg Pl. Lbs.	Toughness 1 Pl. Lbs.	Toughness 2 Pl. Lbs.	Toughness 3 Pl. Lbs.	Test Essai Versuch	Stress Constric Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs
99 HRB	(U)(A)	6																

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
5/27/2005
(1) 2742656802

Amanda Aguirre

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Invoice No No. De Facture Rechnungs-Nr 435571006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellnr P05-01001	Report No. Rapport No. Zeugnis Nr 20050527069	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestelldatumschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinaaire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003 PANEL 7 REV:0A HAYNES(R) 625 ALLOY PLATE Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC	

All tests and inspections have been performed and results meet specification requirements.
 THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
 Material conforms to PS-483 Revision H as applicable.
 Mill Orders Used: 2742656802 (1 PC)
 (A) 1750 °F to 1950 °F

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

5/27/2005

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Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
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HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No Rechnungs Nr 435571007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Referenc Client Kundenbestellnr P05-01001	Report No. Zeugnis Nr 20050527068	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestelmenge
1 PC

Quantity Shipped
Quantite Expeditee
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Charge Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cr-Ti (Nb+Ti)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *02
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			
2650 5 6804	3.4769	<0.05																BUTT END *02

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

Amanda Aguirre



JUN 01 2005

JUN -1 2005
96577
Line 7 B.A.

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HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS	
Invoice No Rechnungs Nr 435571007-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527068
Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4	

Ship To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
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Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Hie. Temp. Warm Zugversuch	
Ultimate Zugfestigkeit	131000 PSI	Ultimate Zugfestigkeit	(1)(A)
0.2% Yield Lim. Elast. A 0.2% 1% Struckgranze	61000 PSI	0.2% Yield Lim. Elast. A 0.2% 1% Struckgranze	(1)(A)
% Elong In % Allong EN % Dehnung	48 %	% Elong In % Allong EN % Dehnung	
%RA		%RA	
1% Yield Lim. Elast. A 1% 1% Struckgranze		1% Yield Lim. Elast. A 1% 1% Struckgranze	
Quantity Ordered Quantite Commandee Bestellmenge	1 PC	Quantity Shipped Quantite Expediee Liefermenge	1 PC

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005 (1) 2742656802

Amanda Aguirre

REC JUN 01 2005

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 7 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435571007-0	Customer Reference Reference Client Kundenbestellnummer P05-01001
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No. Zeugnis Nr. 20050527068
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
IGA	Corrosion Rate
Uniformity	Oxidation Rate
Corrosion	Test Method
MPY	
IGA	IGA
Altest Depth	Altest Depth
Fig. W Figure Number	
ALA	
Grain Size Grosueur De Grain Korngroesse	Grain Size Grosueur De Grain Korngroesse
Grain Size Predominant Grain Size	Grain Size Predominant Grain Size
Unrecy. Grain %	Unrecy. Grain %
Reary Grain	Reary Grain
Aged Hardness Durete Vieilli Gealtert Haerte	Aged Hardness Durete Vieilli Gealtert Haerte
(1)(A)	(1)(A)
99 HRB	99 HRB

Certified By • Certifie Par • Beschelnigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

(1) 2742656802

5/27/2005



JUN 01 2005

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE UNITED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAWS, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICALLY, FOR ANY REQUIREMENTS MAY BE WANTED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.

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HAYNES
International

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 7 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr. 435571007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No. Zeugnis Nr. 20050527068
Sold To • Client • Bestellauftrag MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 01 2005



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr 435572004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelllisten P05-00996	Report No. Rapport No. Zeichn. Nr 20050527	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Product Description • Description Produit • Material Beschreibung
**0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100**

Specification • Specification • Spezifikation
ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Heat Number Numéro De Charge Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse											Quantity Shipped Quantité Expédiée Liefermenge				
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S		Si	Ti	V	W
2650 5 6797	0.29		0.031	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05	Zr	Ta	Co	Ob-Ta (ppm)	Bi	Se	Pb	Ca	N	Al+Ti	Ni+Co	Ni+Mo	BUTT END *03	

Certified By • Certifié Par • Bescheinigt Durch: **Amanda Aguirre**
Certification Technician

5/27/2005

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96714
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JUN 04 2005
MTM 08

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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGUNIS

Invoice No. Rechnungs Nr. 435572004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No. Zeugnis Nr. 20050527	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
---	--	---	--	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation
ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellemenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA
133000 PSI	78500 PSI	40 %	(1)(A)	

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch

Test Essai Versuch	Temp.	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

Test Essai Versuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	%RA

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

S/27/2005 (1)2742656803

JUN 04 2005
MTM 08

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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr 435572004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
--	--	---	--	--

Sold To • Client • Bestellauftragschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--

Specification • Spécification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	IGA	Corrosion Rate Corrosion	Oxidation Rate
---	-----	-----------------------------	----------------

Annealed Hardness Dureté Recuit Geplueht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossier De Grain Körngröße		F&W Figure Number	ALA	Unrecy. Grain %	Reary. Grain	Attack Depth	Test Method	Charpy Impact Test			Creep Rupture					
		Grain Size Präliminär Grain Size	Grain %							Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 HR	
90 HRB	(1)(A)	S							MPY									

Certified By • Certifié Par • Bescheinigt Durch: **Amanda Aguirre**
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656803

JUN 04 2005
MTR
DB

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1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Mineral Beschreibung

0.375 x 0/0 x 0/0
SE120-003-PANEL 4 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKZEUGZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr. 435572004-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestellnummer P05-00996	Report No. Rapport No. Zeugnis Nr. 20050527
Ship To • Client • Bestellanschrift	Ship To • Destinataire • Bestellmenge	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	
Specification • Spécification • Spezifikation			

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.

Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN 04 2005



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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 8 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E, S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. / No. De Facture: 435572005-0
Date Entered / Date De Commande: 03/08/05
Customer Reference / Referenc Client: P05-01002
Report No. / Rapport No: 20050527127
Pages of Pages / Page de Pages / Anzahl der Seiten: 1 Of 4

Sold To • Client • Bestellanschrift: MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge: MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered / Quantite Commandee: 1 PC
Quantity Shipped / Quantite Expeditee / Liefermenge: 1 PC

ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Coque Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse														
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W
2650 5 6797	0.29		0.031	3.47	0.2854	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943		BUTT END *03
2650 5 6797	3.4713	<0.05													BUTT END *03

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

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JUN - 4 2005
96715
611127 B.A.



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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 8 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Pages of Pages
Page de Pages
Anzahl der Seiten
2 Of 4

Report No.
Rapport Nr
Zeugnis Nr
20050527127

Customer Reference
Reference Client
Kundenbestellnummer
P05-01002

Date Entered
Date De Commande
Bestelldatum
03/08/05

Invoice No.
No. De Facture
Rechnungs Nr
435572005-0

Ship To • Destinataire • Bestellmenge

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Customer Reference
Reference Client
Kundenbestellnummer
P05-01002

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Sold To • Client • Bestellanschrift

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation

ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch
Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	%Elong In % Allong EN % Dehnung	%RA
133000 PSI	78500 PSI	40 %	(B)(A)	

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp.
Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elong. A 1% 1% Streckgrenze	0.2% Yield Lim. Elong. A 0.2% 0.2% Streckgrenze	%Elong In % Allong EN % Dehnung	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitanalyseversuch

Test Essai Versuch	Stress Contrainte Spannung	Rings Hörsen Stangen	% Elong In % Allong EN % Dehnung	% RA
Temp.				

(1) 2742656803

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 04 2005



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PO Box 9013
Kokomo, Indiana, 46902

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Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 8 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKZEUGEIGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435572005-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Kundenbestellblatt P05-01002	Report No. Rapport No. Zeugnis Nr. 20050527127
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
--	--

Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	
Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
Uniformity IGA Attack Depth P&W Fracture Number	Corrosion Rate Test Method MPY
Grain Size Grossesse De Grain Korngrösse Recv: Grain Lam: Grain % Predominant Grain Size Grain Size 5	Oxidation Rate Test Method MPY

Charpy Impact Test Toughness Avg Fl. Lbs. Toughness 1 Fl. Lbs. Toughness 2 Fl. Lbs. Toughness 3 Fl. Lbs.	Creep Rapture Hours Heures Stunden Stress Consainte Spannung PSI Test Essai Versuch Temp. % Elong In % Allong EN % Dehnung % Flange @ 15 Hrs
--	--

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

(1) 2742656803

JUN 04 2005
ATM 08

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PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 8 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS		Report No. Rapport No Zeugnis Nr	Pages of Pages Page de Pages Anzahl der Seiten
Invoice No No. de Facture Rechnungs Nr 435572005-0	Date Entered Date De Commande Bestelldatum 03/08/05	20050527127	4 Of 4
Customer Reference Référence Client Kundenbestellungen POS-01002		Ship To • Destinataire • Bestellmenge	
Sold To • Client • Bestellauftrag MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Specification • Spécification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

JUN 04 2005



FILE COPY 2

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435574006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr. 20050527060	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
---	--	---	--	--

Sold To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Coque Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																
	Al	B	C	Cr	Co	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.25		0.027	3.47	0.1686	0.0711	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738			BUTT END *03
2650 5 6804	3.4664	<0.05															BUTT END *03

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre
JUN 09 2005



96 875 211 line B

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FILE COPY 2

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S100E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Pages of Pages
Page de Pages
Anzahl der Seiten
2 Of 4

Report No.
Rapport No.
Zeugnis Nr.
20050527060

Customer Reference
Référence Client
Kundenbestelldaten
P05-01003

Date Entered
Date De Connmande
Bestelldatum
03/08/05

Ship To • Destinaaire • Bestellmenge

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Sold To • Client • Bestellanschrift

MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spécification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantité Commandée
Bestellemenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch, Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA
132000 PSI	68500 PSI	52 %	(1)(A)	

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
Temp:				

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

(1) 2742657101

Amanda Aguirre



JUN 09 2005

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE REPRODUCING OF FALSE, MISLEADING OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAWS INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE VALUED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.

FILE COPY 2

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr 435574006-0	Customer Reference Reference Client Kundenbestellnr P05-011003
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No Zeugnis Nr 20050527060
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

Sold To • Client • Bestellausschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestelmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestelmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	---	--

Annealed Hardness Dureté Recuit Geglüht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossueur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture							
		Grain Size Problément Grain Size	Unrecy. Grain %					Attack Depth	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong in % Allong EN % Dehnung
98 HRB	(D)(A)	6				MPY												

(1) 2742657101

5/27/2005

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

MTM 016 JUN 09 2005

THE DATA HEREIN WERE OBTAINED FROM SAMPLES THAT ACT AS REPRESENTATION OF THE PRODUCT IN THE ABOVE QUANTITY. THIS MATERIAL MUST BE ANALYZED AS PER THE LATEST REVISIONS MODIFIED BY ANY SUBSEQUENT PURCHASE ORDER REQUIREMENTS. THE DATA HEREIN WERE OBTAINED FROM SAMPLES THAT ACT AS REPRESENTATION OF THE PRODUCT IN THE ABOVE QUANTITY. THIS MATERIAL MUST BE ANALYZED AS PER THE LATEST REVISIONS MODIFIED BY ANY SUBSEQUENT PURCHASE ORDER REQUIREMENTS. THE DATA HEREIN WERE OBTAINED FROM SAMPLES THAT ACT AS REPRESENTATION OF THE PRODUCT IN THE ABOVE QUANTITY. THIS MATERIAL MUST BE ANALYZED AS PER THE LATEST REVISIONS MODIFIED BY ANY SUBSEQUENT PURCHASE ORDER REQUIREMENTS. THE DATA HEREIN WERE OBTAINED FROM SAMPLES THAT ACT AS REPRESENTATION OF THE PRODUCT IN THE ABOVE QUANTITY. THIS MATERIAL MUST BE ANALYZED AS PER THE LATEST REVISIONS MODIFIED BY ANY SUBSEQUENT PURCHASE ORDER REQUIREMENTS.

FILE COPY 2

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

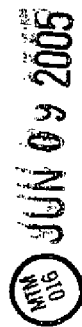
CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr 435574006-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr 20050527060
Sold To • Client • Besteltranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC
Quantity Shipped Quantité Expédiée Liefermenge 1 PC	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005



THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LATEST SPECIFICATIONS MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON ENTRIES ON THIS DOCUMENT MAY BE SUBJECT TO PROSECUTION. THIS DOCUMENT IS THE PROPERTY OF HAYNES INTERNATIONAL INC. IT IS TO BE REPRODUCED, COPIED, BY FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL INC. SPECIFICATION MARKING REQUIREMENTS MAY BE VAIATED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.



JUN 09 2005

Magnetic Permeability Test Witness

Haynes observed Mr. Edwards of Major Tool test the orders listed below for Magnetic Permeability on April 19, 2005, using a Severn Engineering Permeability Indicator #6763, identified as gauge J-1165 in Major Tool's calibration system. The gauge was in calibration and was due for recalibration on December 27, 2005. All items tested below were <1.01 magnetic permeability.

Heats Tested

2650-4-6771
2650-5-6797
2650-5-6804

Purchase Order Numbers

P05-00965 – Panel 1
P05-00966 – Panel 10
P05-00967 – Panel 2
P05-00994 – Panel 3
P05-00996 – Panel 4
P05-00997 – Panel 5
P05-00999 – Panel 6
P05-01001 – Panel 7
P05-01002 – Panel 8
P05-01003 – Panel 9
P05-01004 – 25" dia discs

Best Regards,

Marlin C. Losch III

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS
 Invoice No. No. De Facture Rechnungs Nr. 435574007-0
 Date Entered Date De Commande Bestelldatum 03/08/05
 Customer Reference Reference Client Kundenbestelldaten P05-01003
 Report No. Rapport No. Zeugnis Nr. 20050527062
 Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4

Sold To • Client • Bestellerauschrift
MAJOR TOOL AND MACHINE INC
 1458 E 19TH ST
 INDIANAPOLIS
 IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
 1458 E 19TH ST
 INDIANAPOLIS
 IN 46218 USA

Product Description • Description Produit • Material Beschreibung
 0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Specification • Spezifikation
 ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
 Quantite Commandee
 Bestellmenge
 1 PC

Quantity Shipped
 Quantite Expediee
 Liefermenge
 1 PC

Heat Number Numero De Coque Charge Nr.	Al	B	C	Cu	Cr	Co	Cb-In (NbrTa)	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *03
2650 5 6804	0.25		0.027	0.0711	21.71	0.1686	3.47	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738			
2650 5 6804	3.4664	<0.05										N	Ca	Al+Ti	NH+Co	Ni+Mo		BUTT END *03

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

JUN 09 2005

JUN 9 2005

96876

Line 7

5/27/2005

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SHIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE OCCURRENCE OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON CERTIFICATES OF THIS DOCUMENT MAY BE REPORTED TO HAYNES INTERNATIONAL, INC. WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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HAYNES International
 Haynes International
 1020 West Park Avenue
 PO Box 9013
 Kokomo, Indiana, 46902

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No.
 No. De Facture
 Rechnungs Nr
 435574007-0

Date Entered
 Date De Commande
 Bestelldatum
 03/08/05

Customer Reference
 Référence Client
 Kundenbestelldaten
 P05-01003

Report No.
 Rapport No
 Zeugnis Nr
 20050527062

Pages of Pages
 Page de Pages
 Anzahl der Seiten
 2 Of 4

Sold To • Client • Bestellanweisung

MAJOR TOOL AND MACHINE INC
 1458 E 19TH ST
 INDIANAPOLIS
 IN 46218 USA

Ship To • Destinaire • Bestellmenge

MAJOR TOOL AND MACHINE INC
 1458 E 19TH ST
 INDIANAPOLIS
 IN 46218 USA

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
 Quantité Commandée
 Bestellmenge
 1 PC

Quantity Shipped
 Quantité Expédiée
 Lieferung
 1 PC

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA
132000 PSI		68500 PSI	52 %	(1)(A)

Tensile Test at Elevated Temperature • Essai De Traction A Hts. Temp. Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

Test Essai Versuch Temp.	Stress Contrainte Spannung	Hours Heurs Stunden	% Elong In % Allong EN % Dehnung	% RA

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

MTM 016 JUN 09 2005

5/27/2005 (1) 2742657101

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEJUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435574007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No. Zeugnis Nr. 20050527062
Sold To • Client • Besteltraumschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellbeleg MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	

HAYNES
International

Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CUSTOMER COPY

Haynes International
 1020 West Park Avenue
 PO Box 9013
 Kokomo, Indiana, 46902

Annealed Hardness Dureté Recuit Gegläutcht Härte	Grain Size Grosser De Grain Korngrösse	Grain Size Grain Size	Preminimum Grain Size	Recry Grain	Durcy Grain %	ALA	P&W Figure Number	IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rapture						
												Toughness Avg Fl. Lbs.	Toughness Fl. Lbs.	Toughness Fl. Lbs.	Test Essai Versuch	Stress Constraint Spannung	Hours Stunden	% Elong In % Allong EN	% Elong @ 15 Hrs		
98 HRB	(1)(A)	6																			


ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Quantity Ordered
Quantite Commandee
Bestelmenge 1 PC

Quantity Shipped
Quantite Expediee
Liefermenge 1 PC

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
 Certification Technician

5/27/2005 (1)2742657101


 JUN 09 2005
 WITH 016

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT EQUIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR INCLOSURE UNDER REQUIREMENTS. ALL TESTS WERE PERFORMED IN ACCORDANCE WITH THE APPROPRIATE STANDARDS. THE DATA WILL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr. 435574007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestellnr. P05-01003	Report No. Rapport No. Zeugnis Nr. 20050527062	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Sold To • Client • Besteltranschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

All tests and inspections have been performed and results meet specification requirements.
 THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
 Material conforms to PS-483 Revision H as applicable.
 Mill Orders Used: 2742657101 (1 PC)
 (A) 1750 °F to 1950 °F

Certified By • Certifié Par • Bescheinigt Durch: **Amanda Aguirre**
 Certification Technician

Amanda Aguirre

5/27/2005

CUSTOMER COPY
 Haynes International
 1020 West Park Avenue
 PO Box 9013
 Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 9 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100



JUN 09 2005

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SUPPLYMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, AS SHOWN BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, DECEITFUL OR FRAUDULENT STATEMENTS OR OMISSIONS ON THIS DOCUMENT MAY BE WAIVED ON ORDERS REQUESTING MULTIPLE MATERIAL SPECIFICATIONS. REPRODUCTION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUESTING MULTIPLE MATERIAL SPECIFICATIONS.

JUN 09 2005



Magnetic Permeability Test Witness

Haynes observed Mr. Edwards of Major Tool test the orders listed below for Magnetic Permeability on April 19, 2005, using a Severn Engineering Permeability Indicator #6763, identified as gauge J-1165 in Major Tool's calibration system. The gauge was in calibration and was due for recalibration on December 27, 2005. All items tested below were <1.01 magnetic permeability.

Heats Tested

2650-4-6771

2650-5-6797

2650-5-6804

Purchase Order Numbers

P05-00965 – Panel 1

P05-00966 – Panel 10

P05-00967 – Panel 2

P05-00994 – Panel 3

P05-00996 – Panel 4

P05-00997 – Panel 5

P05-00999 – Panel 6

P05-01001 – Panel 7

P05-01002 – Panel 8

P05-01003 – Panel 9

P05-01004 – 25" dia discs

Best Regards,

Marlin C. Losch III

CUSTOMER COPY

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV-0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKZEUGNIS	
Invoice No No. De Facture Rechnungs Nr 435387006-0	Customer Reference Reference Client Kundenbestelldaten P05-00966
Date Entered Date De Commande Bestelldatum 03/06/05	Report No. Rapport No. Zeugnis Nr. 20050527073
Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	
Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	

Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

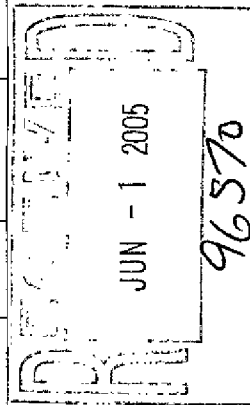
Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Coche Charge Nr.	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.25		0.027	0.1686	21.71	0.0711	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738			BUTT END *03
2650 5 6804	3.4664	<0.05															BUTT END *03

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005



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JUN 01 2005

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10294 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No Rechnungs Nr 435387006-0	Date Entered Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnum P05-00966	Report No. Rapport No Zeugnis Nr 20050527073	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
---	---

Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestelmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	---	--

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.

Uminue Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA
132000 PSI	68500 PSI	52 %	(1)(A)		

Tensile Test at Elevated Temperature • Essai De Traction A Hie.Temp.

Uminue Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA

Stress Rupture Temperature • Essai A Change De Rupture Zeistandversuch

Test Essai Versuch	Stress Contrainte Spannung	Hairs Frais Staub	% Elong In % Allong EN % Dehnung	% RA	% RA

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
(1) 2742657101
5/27/2005

Amanda Aguirre

THE DATA OBTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE QUANTITY SHIPPED. THE PRODUCTION OF THE LISTED SPECIFICATIONS APPLICABLE TO ANY QUANTITY OF PRODUCTS IS SUBJECT TO THE LISTED SPECIFICATIONS. THE PRODUCTION OF THE LISTED SPECIFICATIONS APPLICABLE TO ANY QUANTITY OF PRODUCTS IS SUBJECT TO THE LISTED SPECIFICATIONS. THE PRODUCTION OF THE LISTED SPECIFICATIONS APPLICABLE TO ANY QUANTITY OF PRODUCTS IS SUBJECT TO THE LISTED SPECIFICATIONS. THE PRODUCTION OF THE LISTED SPECIFICATIONS APPLICABLE TO ANY QUANTITY OF PRODUCTS IS SUBJECT TO THE LISTED SPECIFICATIONS.



JUN 01 2005

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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung
0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr. 435387006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No. Zeugnis Nr. 20050527073	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Sold To • Client • Bestellausschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		
Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC	

Annealed Hardness Dureté Recuit Gegleucht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossenr De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture							
		Grain Size Predominant Grain Size	Unary. Grain %					ADN Figure Number	RAW Figure Number	Attack Depth	Corrosion	Test Method	Toughness Avg. Fr. Lbs.	Toughness 1 Fr. Lbs.	Toughness 2 Fr. Lbs.	Toughness 3 Fr. Lbs.	Stress Constraint Spanning PSI	Hours Hours Stunden
98 HRB	(1)(A)	6				MPY												

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
5/27/2005
(1) 2742657101

Amanda Aguirre

THIS DATA OBTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCT IN THE SUBJECT EQUIPMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE FACTORS OR FAVORABLE STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PENALIZED AS A VIOLATION UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.



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HAYNES
International

Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT DES SAIS CERTIFIÉ • WERKSZEGUNGS

Invoice No. No. De Facture Rechnungs Nr. 435387006-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnr. P05-00966	Report No. Rapport No. Zugsatts Nr. 20050527073	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
---	--	---	--	--

Sold To • Client • Bestellauschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
--	--	--

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

THE DATA CONTAINED HEREIN WAS OBTAINED FROM ANALYSIS THAT ARE SUBJECT TO THE LIMITS OF THE TESTING METHOD. THIS MATERIAL MEETS THE REQUIREMENTS OF THE EN 10204 3.1.B SPECIFICATION. MODIFIED BY AS9100, EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE BUYER SHALL NOT BE RESPONSIBLE FOR THE BUYER'S FAILURE TO OBTAIN THE MATERIAL WITHIN THE SPECIFIED TIME FRAME. THIS DOCUMENT IS VALID FOR THE ENTIRE LIFE OF THE PRODUCT UNLESS OTHERWISE SPECIFIED. THE BUYER SHALL NOT BE RESPONSIBLE FOR THE BUYER'S FAILURE TO OBTAIN THE MATERIAL WITHIN THE SPECIFIED TIME FRAME. THIS DOCUMENT IS VALID FOR THE ENTIRE LIFE OF THE PRODUCT UNLESS OTHERWISE SPECIFIED. THE BUYER SHALL NOT BE RESPONSIBLE FOR THE BUYER'S FAILURE TO OBTAIN THE MATERIAL WITHIN THE SPECIFIED TIME FRAME. THIS DOCUMENT IS VALID FOR THE ENTIRE LIFE OF THE PRODUCT UNLESS OTHERWISE SPECIFIED.



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Kokomo, Indiana, 46902

HAYNES
International

Produkt Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. / No. De Facture: 435387007-0
Date Entered / Date De Commande: 03/06/05
Customer Reference / Référence Client: P05-00966
Report No. / Rapport No.: 20050527072
Pages of Pages / Page de Pages / Anzahl der Seiten: 1 Of 4

Ship To • Client • Bestellanschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered / Quantité Commandée / Bestellmenge: 1 PC

Quantity Shipped / Quantité Expédiée / Liefermenge: 1 PC

Specification • Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero de Charge Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																				
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W						
2650 5 6804	0.25		0.027	3.47	0.1686	21.71	0.0711	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738					BUTT END *03	
2650 5 6804	3.4664	<0.05																			BUTT END *03

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005

JUN - 1 2005
96572

Line 1 B.2.



JUN 01 2005

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Kokomo, Indiana, 46902

HAYNES
International

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Invoice No Rechnungs Nr 435387007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugnis Nr 20050527072	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Ship To • Client • Bestellauftragschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinaire • Bestellmenge
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expeditee
Liefermenge
1 PC

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Specification • Spezifikation

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch
Bei Raum Temp.

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA
132000 PSI	68500 PSI	52 %	(1)(A)		

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp.
Warm Zugversuch

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	%RA

Stress Rupture Temperature • Essai A Charge De Rupture
Zeitstandversuch

Test Essai Versuch	Stress Concristaine Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	%RA	%RA
Temp.					

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

Amanda Aguirre

5/27/2005 (1) 2742657101

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SPECIMENT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS AS AUTHORIZED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PENALIZED AS A VIOLATION UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE SPECIFICATIONS.



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1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902



Produit Description • Description Produkt • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIC • WERKSZEUGNIS	
Invoice No No. De Enchère Rechnungs Nr 435387007-0	Date Entered Date De Commande Bestelldatum 03/06/05
Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugnis Nr 20050527072
Sold To • Client • Bestellmaschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA

Specification • Specification • Spezifikation	
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestellmenge 1 PC
	Quantity Shipped Quantité Expédiée Liefermenge 1 PC

Annealed Hardness Dureté Recuit Gehtert Haerte	Aged Hardness Dureté Vieilli Gehtert Haerte	Grain Size Grosueur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Charpy Impact Test			Creep Rupture													
		Grain Size Grosueur De Grain Korngrösse	Predominant Grain Size				ALA	P&W Figure Number	Attack Depth	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Res			
98 HRB	(D/A)	6	6			MPY	MPY	Fl. Lbs.	Fl. Lbs.	Fl. Lbs.	Fl. Lbs.	Fl. Lbs.	Temp.	PSI									

(1) 2742657101

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

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HAYNES
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Haynes International
1020 West Park Avenue
PO Box 9013
Kokomo, Indiana, 46902

Product Description • Description Produit • Material Beschreibung

0.375 x 0/0 x 0/0
SE120-003 PANEL 10 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S100E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKZEUGNIS

Invoice No Rechnungs Nr 435387007-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten POS-00966	Report No. Rapport No Zeugnis Nr 20050327072	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Sold To • Client • Besteltrauschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestimmung
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
--	--

Specification • Spezifikation

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

5/27/2005

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

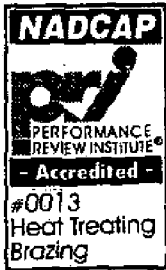
Amanda Aguirre

THE RECORDING OF THESE TEST RESULTS HAS BEEN MADE FROM A SAMPLE THAT WAS KEPT IN THE LABORATORY FOR 30 DAYS AFTER THE DATE OF TESTING. THE DATA ON THESE TESTS ARE THE PROPERTY OF HAYNES INTERNATIONAL, INC. AND WILL BE FURNISHED AS A FAVOR TO OUR CUSTOMERS. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.



JUN 01 2005

65678



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50070

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-03972 THRU P05-03974

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1308

DATE SHIPPED 7-19-05

QUANTITY

DESCRIPTION

3 PCS

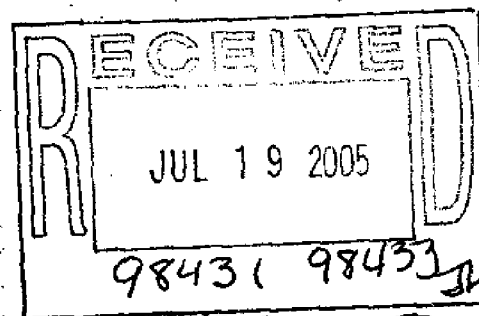
#SE120-003-1-1

JOB #65678-1/5, 65678-21/5, 65678-1/6 SEQ #30

MATERIAL: INCO 625

**SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.**

JUL 23 2005



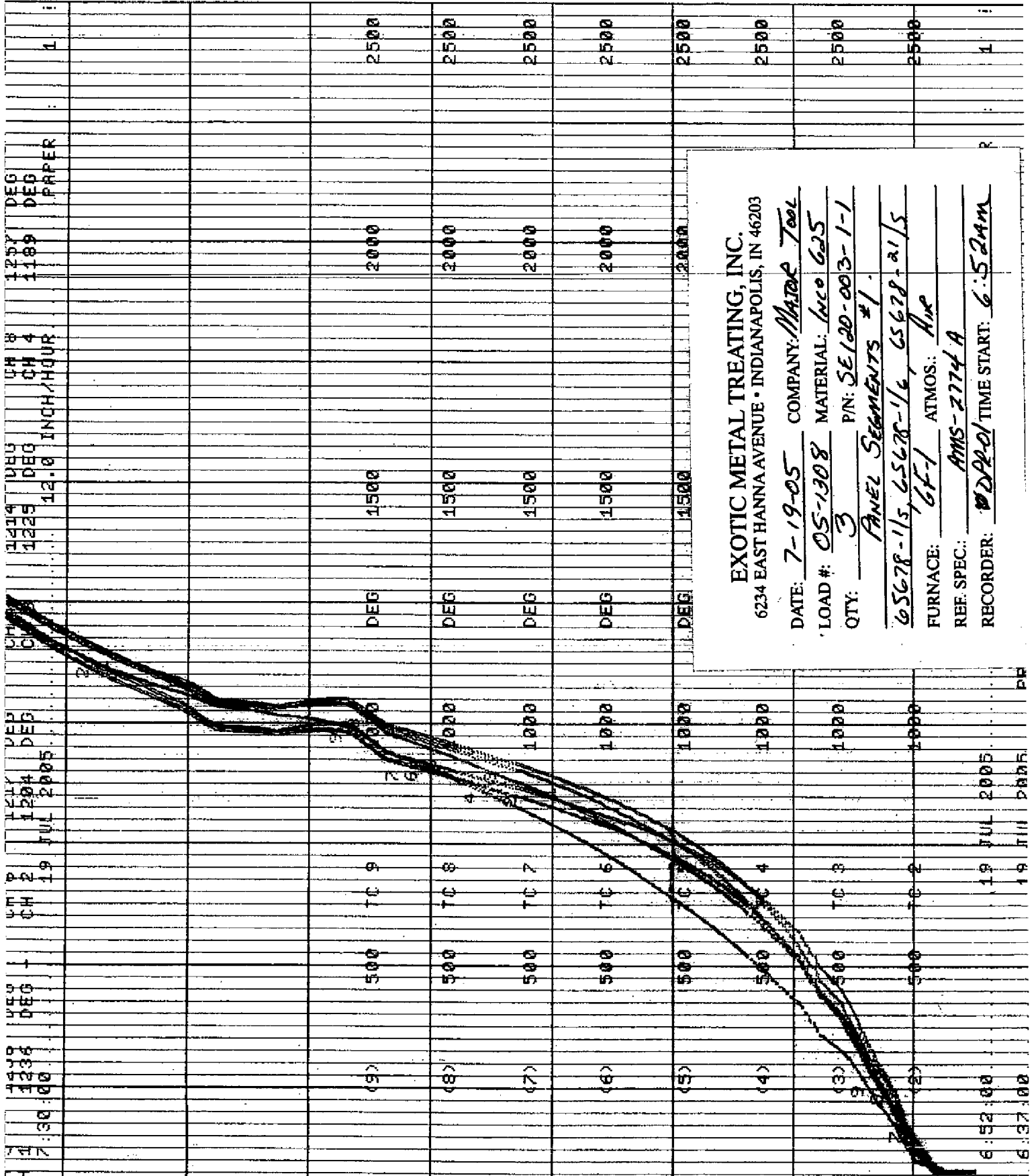
Sworn and subscribed to before me...

on 7-19-05 Notary Public Morgan County, State of Indiana

My commission expires 9-30-09

(Name)

QA (Title)



EXOTIC METAL TREATING, INC.

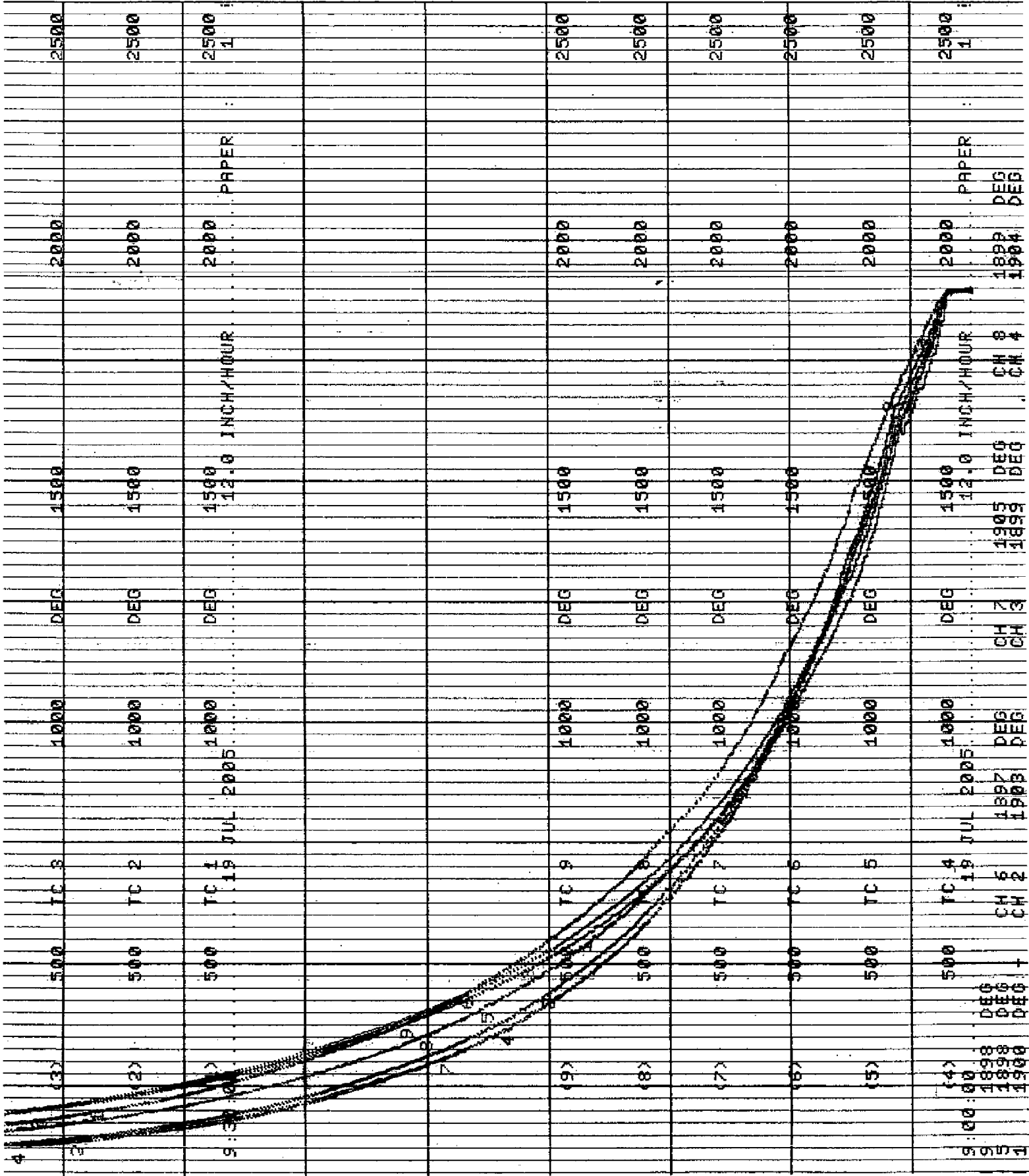
6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 7-19-05 COMPANY: MARTEC TOOL
 LOAD #: 05-1308 MATERIAL: INCO 625
 QTY: 3 P/N: SE120-003-1-1
PANEL SEGMENTS #1
65678-115, 65678-116, 65678-2115
 FURNACE: GF-1 ATMOS: Arg
 REF. SPEC.: AMS-2774 A
 RECORDER: DDP TIME START: 6:52 AM

4275 Ka

1887	DEC 1	CH 2	1888	DEC	CH 3	1885	DEC	CH 4	1895	DEC
(1)	500	TC 1	JUL 2005	1000	DEC	PRINTOUT	1500	1	2000	2500
1816	DEC				CH 7	1808	DEC		1814	DEC
1814	DEC	CH 6	1805	DEC	CH 3	1800	DEC		1802	DEC
1802	DEC	CH 2	1802	DEC	CH 3	12.0	INCH/HOUR			PAPER
8:00:00		CH 19	JUL 2005							1
(9)	500	TC 9		1000	DEC		1500		2000	2500
(8)	500	TC 8		1000	DEC		1500		2000	2500
(7)	500	TC 7		1000	DEC		1500		2000	2500
(6)	500	TC 6		1000	DEC		1500		2000	2500
(5)	500	TC 5		1000	DEC		1500		2000	2500
(4)	500	TC 4		1000	DEC		1500		2000	2500
(3)	500	TC 3		1000	DEC		1500		2000	2500
(2)	500	TC 2		1000	DEC		1500		2000	2500

(3)	500	TC 3	1000	DEC	1500	2000	2500
(2)	500	TC 2	1000	DEC	1500	2000	2500
(1)	500	TC 1	1000	DEC	1500	2000	2500
(9)	500	TC 9	1000	DEC	1500	2000	2500
(8)	500	TC 8	1000	DEC	1500	2000	2500
(7)	500	TC 7	1000	DEC	1500	2000	2500
8:30:00		19 JUL 2005			12.0 INCH/HOUR	PAPER	1
(6)	500	TC 6	1000	DEC	1500	2000	2500
(5)	500	TC 5	1000	DEC	1500	2000	2500
(4)	500	TC 4	1000	DEC	1500	2000	2500
(3)	500	TC 3	1000	DEC	1500	2000	2500



65678



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EXOTIC METAL TREATING INC.

Certificate # 50087

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-03986, P05-04018 THRU -04020

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts CONFORMS to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1328

DATE SHIPPED 7-21-05

QUANTITY

DESCRIPTION

4 PCS

#SE120-003-1-2

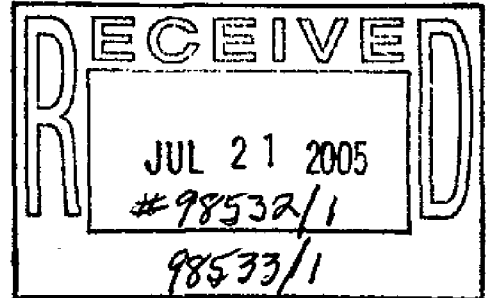
JOB #65678-22/4, 65678-2/5,

65678-22/5, 65678-2/6 ✓ SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

JUL 25 2005



RKL

Sworn and subscribed to before me...

on 7-21-05
Notary Public Morgan County, State of Indiana

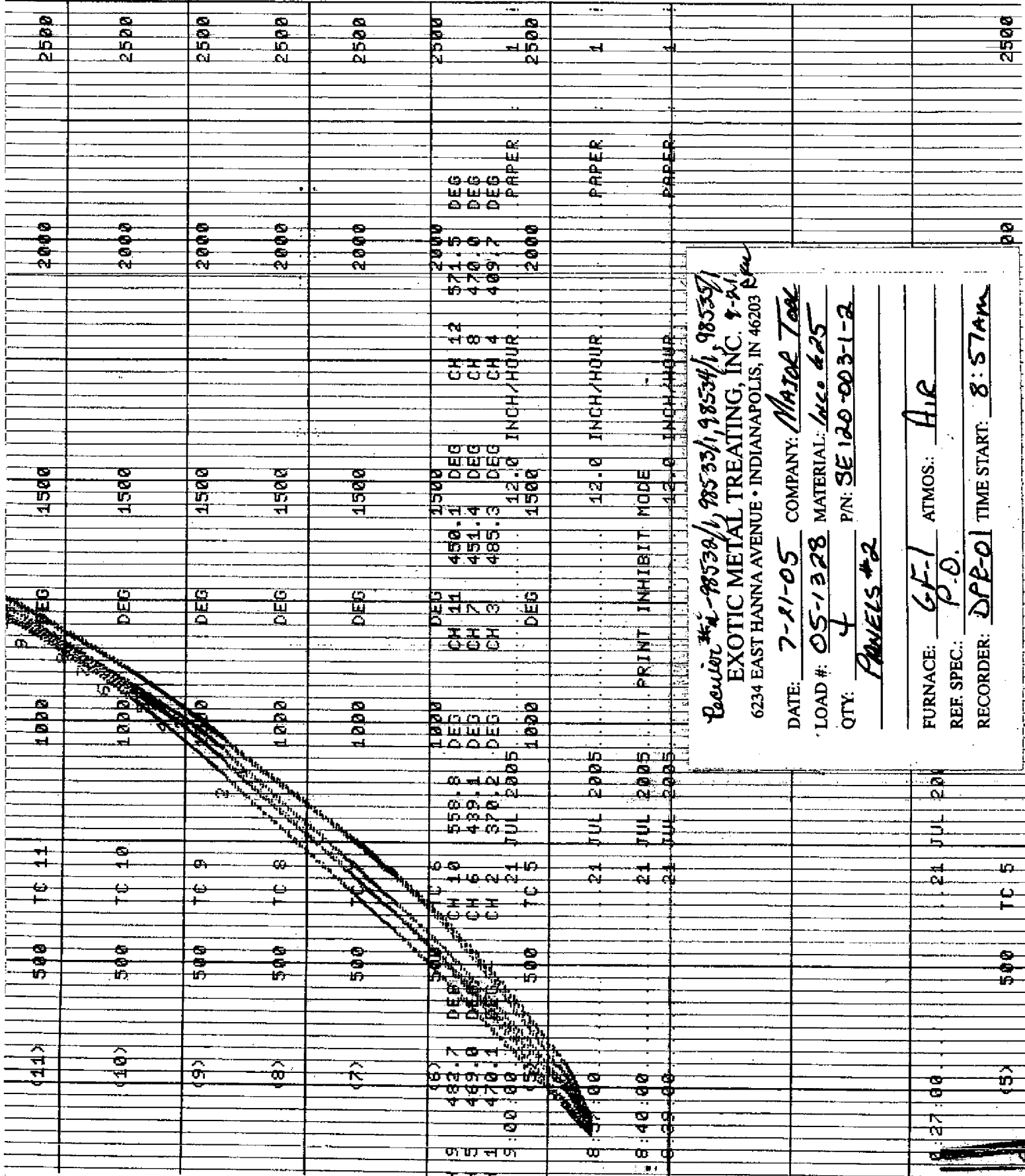
My commission expires 09-09

Kurt D...

(Name)

PA

(Title)



Recorder # 2-98538/1, 98533/1, 98534/1, 98535/1
 EXOTIC METAL TREATING, INC. 9-21
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203 Rm

DATE: 7-21-05 COMPANY: MAJOR TOOL
 LOAD #: 05-1328 MATERIAL: Inco 625
 QTY: 4 P/N: SE120-003-1-2
 PANELS #2

FURNACE: GF-1 ATMOS: AIR
 REF. SPEC.: P.O.
 RECORDER: DFF-01 TIME START: 8:57AM

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(10)	500	TC 10	1000	DEG	1500	2000	2500
(9)	500	TC 9	1000	DEG	1500	2000	2500
(8)	500	TC 8	1000	DEG	1500	2000	2500
(7)	500	TC 7	1000	DEG	1500	2000	2500
(6)	500	TC 6	1000	DEG	1500	2000	2500
(5)	500	TC 5	1000	DEG	1500	2000	2500

9:57:00	CH 7	DEG	558.8	CH 11	450.1	DEG	CH 12	571.5	DEG
9:54:00	CH 10	DEG	439.1	CH 7	451.4	DEG	CH 8	470.0	DEG
9:51:00	CH 6	DEG	370.2	CH 3	485.3	DEG	CH 4	409.7	DEG
9:48:00	CH 2	DEG	JUL 2005			INCH/HOUR			PAPER
9:45:00	TC 21					12.0			
9:42:00	TC 5					1500			2000
8:57:00		21	JUL 2005			12.0	INCH/HOUR		PAPER
8:40:00		21	JUL 2005						
8:29:00		21	JUL 2005				INCH/HOUR		PAPER

(5)	500	TC 5	1000	DEG	1500	2000	2500
-----	-----	------	------	-----	------	------	------

4275 Ka

1859	DEG	500	TC 8	1855	DEG	1000	CH 11	1864	DEG	1500	CH 12	2000	DEG	2500
1858	DEG	500	CH 10	1855	DEG	1000	CH 11	1864	DEG	1500	CH 12	2000	DEG	2500
1859	DEG	500	CH 6	1855	DEG	1000	CH 7	1863	DEG	1500	CH 8	2000	DEG	2500
1859	DEG	500	CH 2	1857	DEG	1000	CH 3	1857	DEG	1500	CH 4	2000	DEG	2500
10:00:00			21	JUL 2005				12.0	INCH/HOUR				PAPER	1
17		500	TC 7		DEG	1000	DEG	1500		1500		2000		2500
16		500	TC 6		DEG	1000	DEG	1500		1500		2000		2500
15		500	TC 5		DEG	1000	DEG	1500		1500		2000		2500
14		500	TC 4		DEG	1000	DEG	1500		1500		2000		2500
13		500	TC 3		DEG	1000	DEG	1500		1500		2000		2500
12		500	TC 2		DEG	1000	DEG	1500		1500		2000		2500
11		500	TC 1		DEG	1000	DEG	1500		1500		2000		2500
1463	DEG	500	CH 10	1528	DEG	1000	CH 11	1491	DEG	1500	CH 12	1527	DEG	2500
1450	DEG	500	CH 6	1446	DEG	1000	CH 7	1481	DEG	1500	CH 8	1451	DEG	2500
1495	DEG	500	CH 2	1458	DEG	1000	CH 3	1491	DEG	1500	CH 4	1467	DEG	2500
9:30:00			21	JUL 2005				12.0	INCH/HOUR				PAPER	1

3 2 1

11
10
9
8

6
5

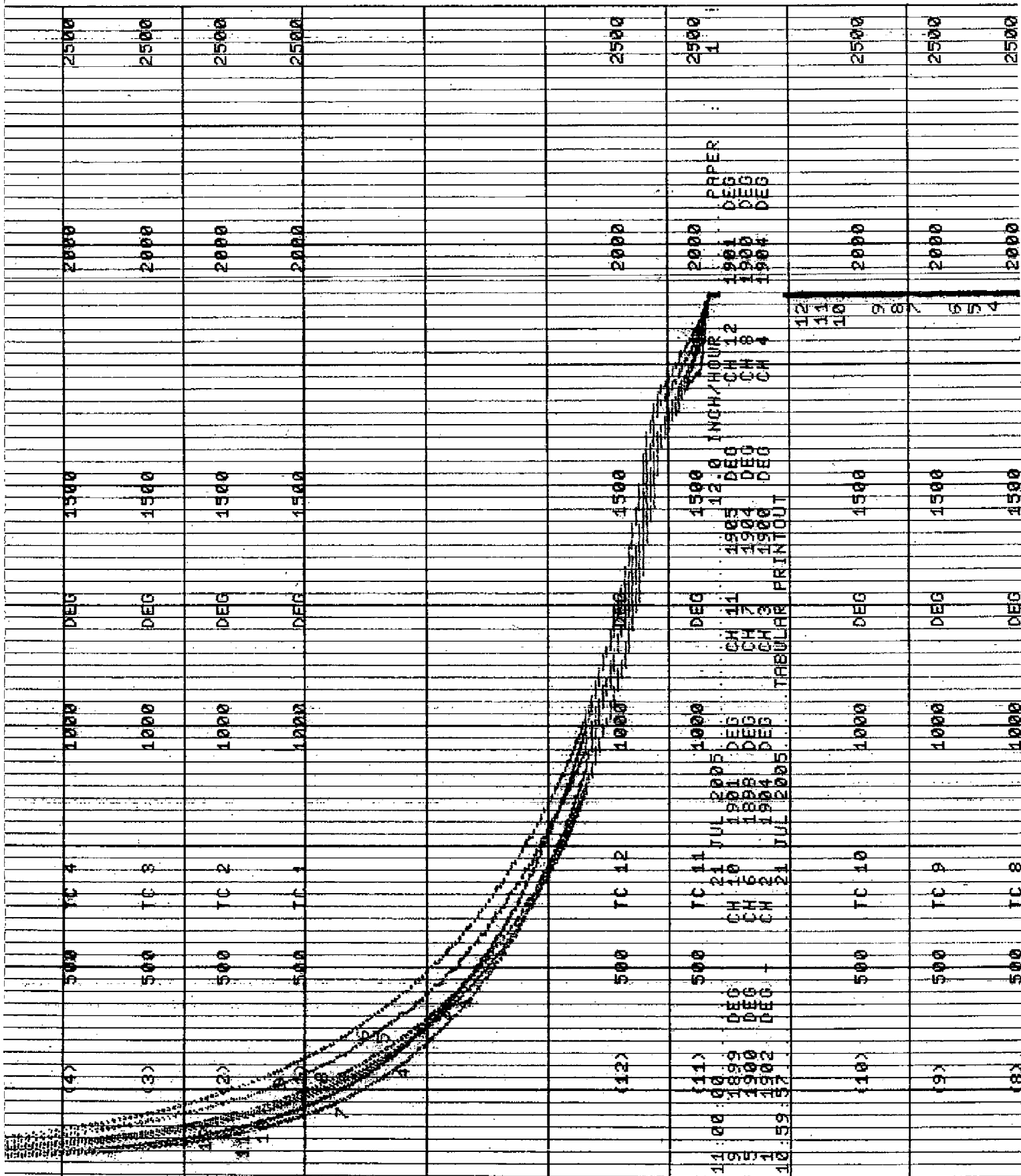
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(4)	500	TC 4	1000	DEC	1500	2000	2500
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(1)	500	TC 1	1000	DEC	1500	2000	2500
(12)	500	TC 12	1000	DEC	1500	2000	2500
1894	DEC	CH 10	1895	DEC	1897	1894	DEC
1893	DEC	CH 6	1899	DEC	1899	1892	DEC
1896	DEC	CH 21	1897	DEC	1893	1898	DEC
1895	DEC	CH 21	JUL 2005	TABULAR PRINTOUT			
(11)	500	TC 11	1000	DEC	1500	2000	2500
(10)	500	TC 10	1000	DEC	1500	2000	2500

12
11
10
9
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7
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5
4
3
2
1

15.0 INCH HOUR

PAPER





Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50234

Vendor Code # 107576

P.O. # P05-04580

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1496

DATE SHIPPED 8-15-05

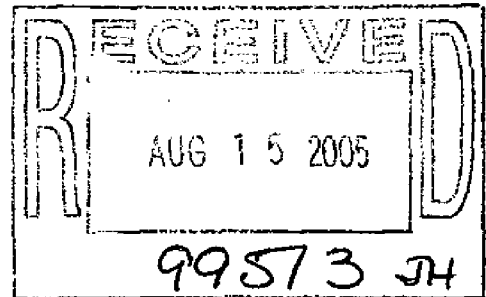
QUANTITY DESCRIPTION

1 PCS #SE120-003-1-3
JOB #65678-3/6
SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

AUG 16 2005



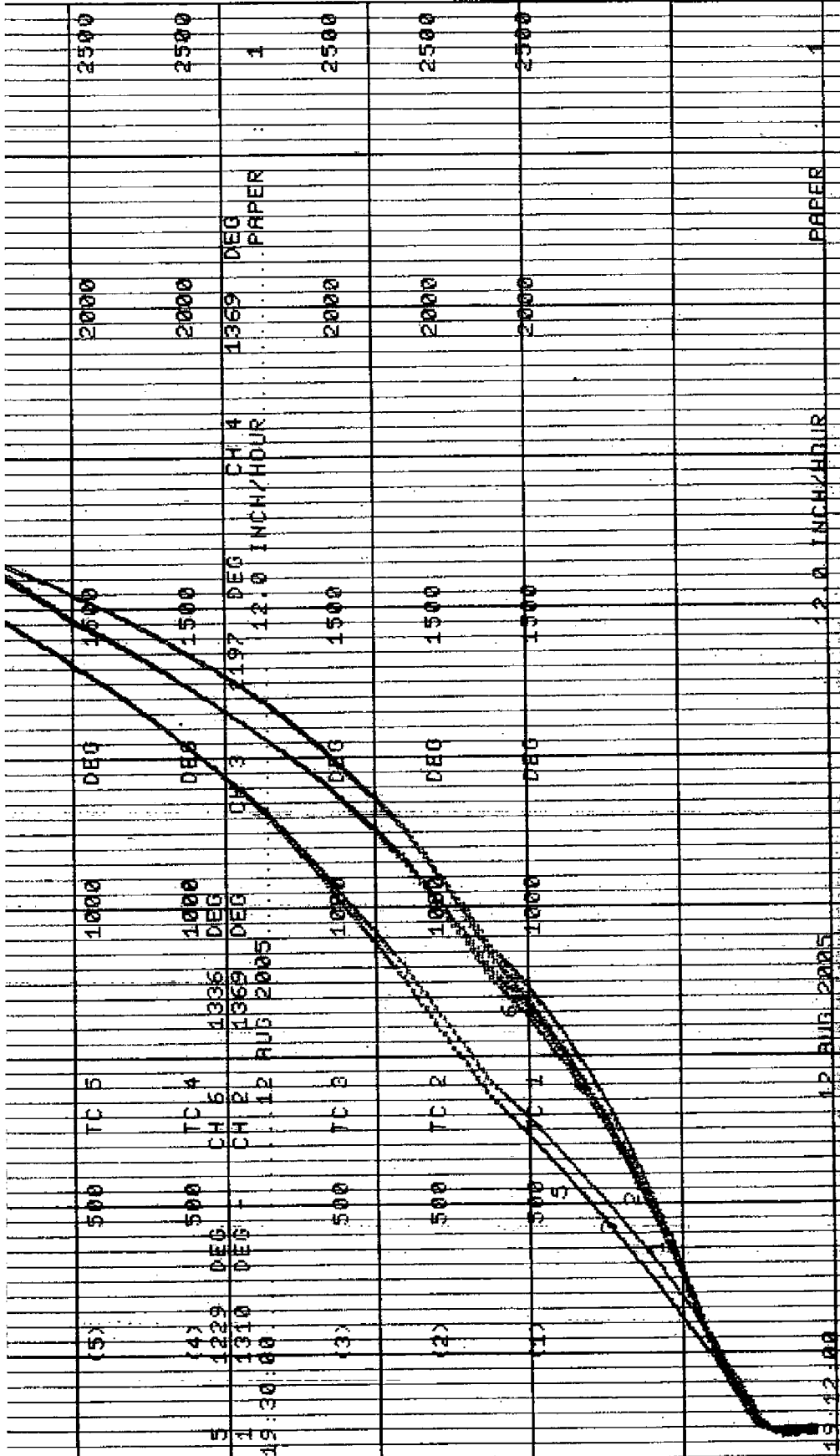
Sworn and subscribed to before me...

on 8-15-05 [Signature]
Notary Public Morgan County - State of Indiana

My commission expires 9-30-09

[Signature]
(Name)

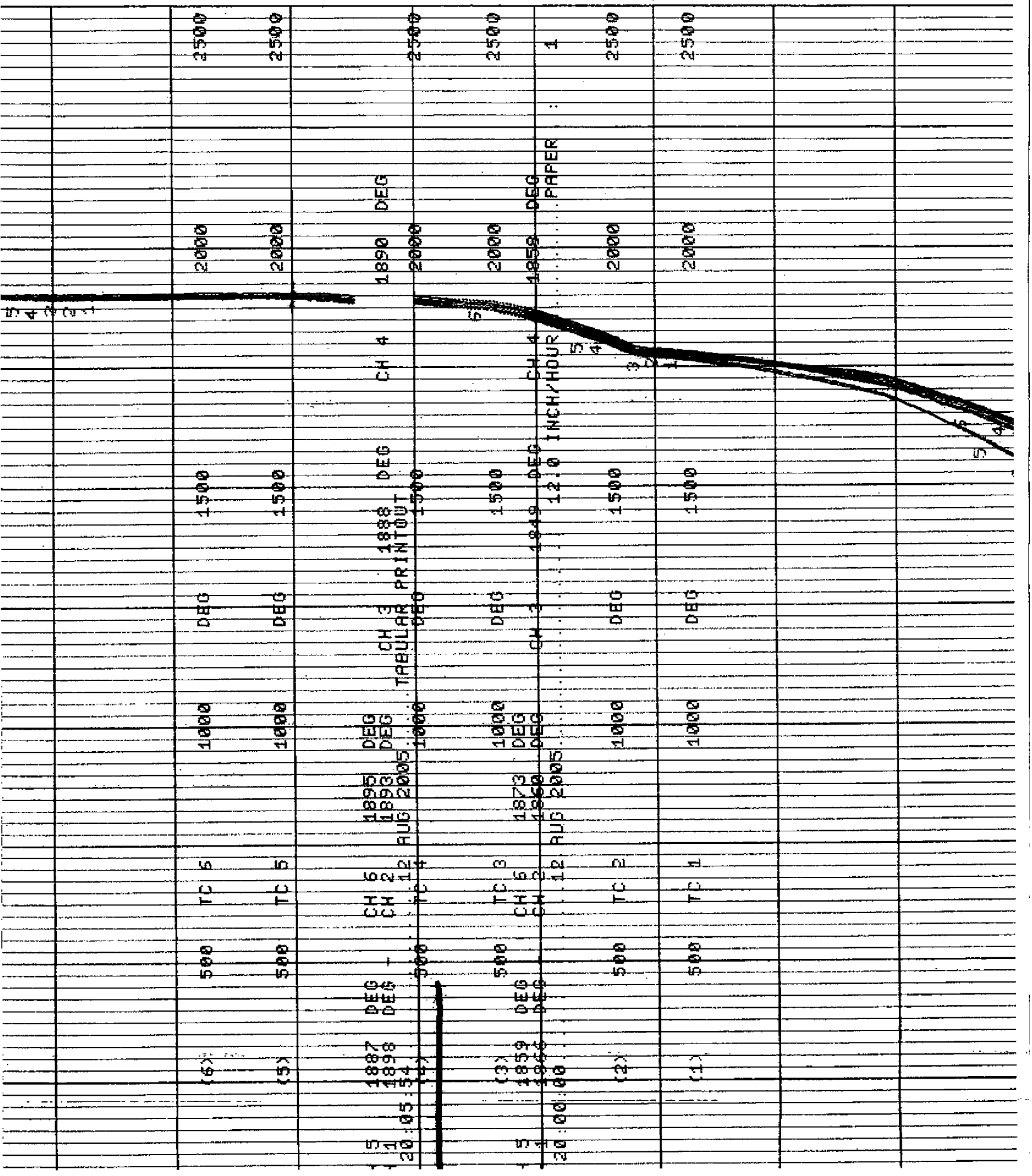
[Signature]
(Title)



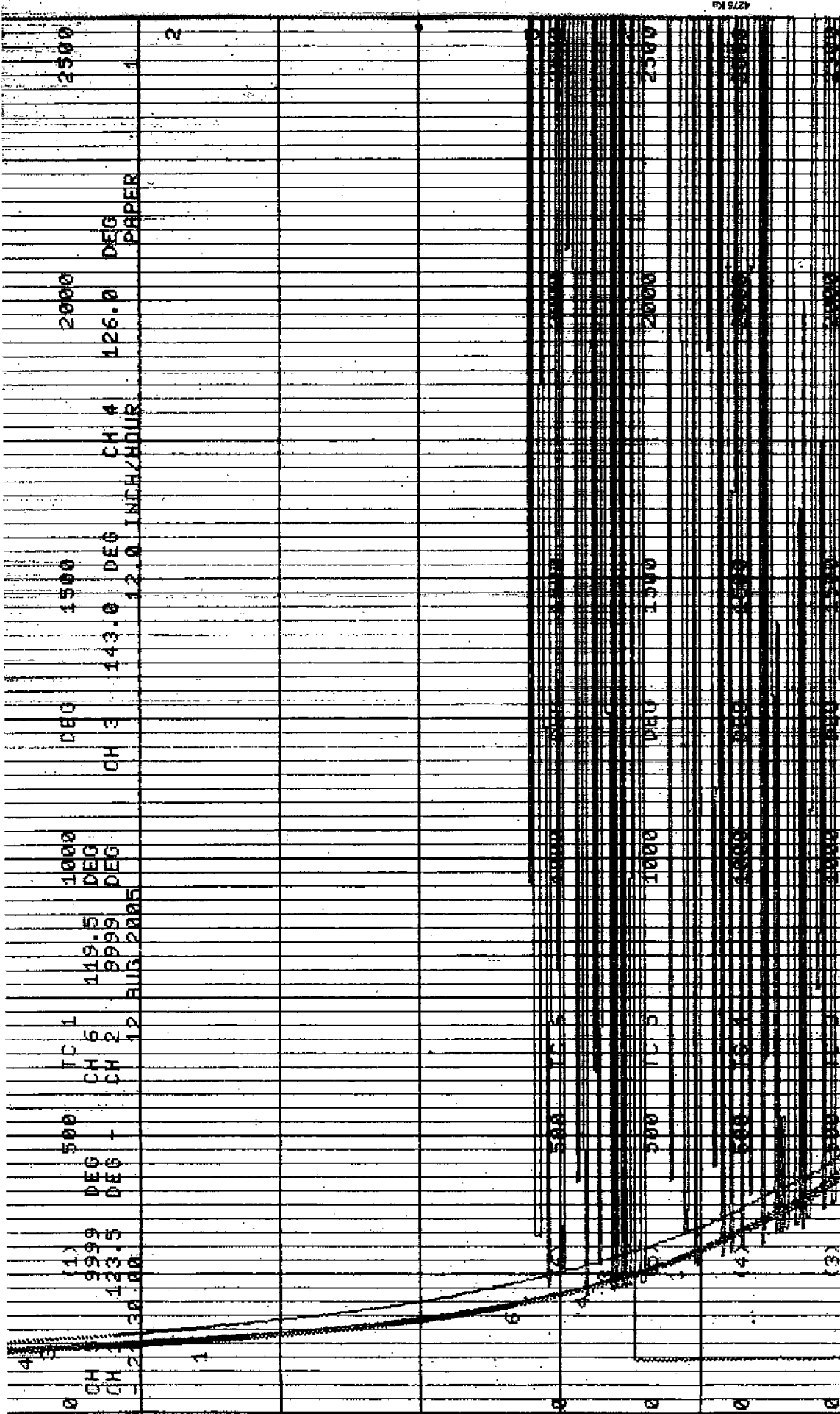
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 8-12-05 COMPANY: MASON TOOL
 LOAD #: 65-1496 MATERIAL: 1A62-3
 QTY: 1 P/N: 120-003-1-3
65678-3/6
 FURNACE: GF 1 ATMOS.: AIR
 REF. SPEC.: AMS 2774A
 RECORDER: DPR 01 TIME START: 19:12

(5) 500 TC 5 1000 DEG 1500 2000 2500
 (4) 500 TC 4 1000 DEG 1500 2000 2500
 1229 DEG CH 6 1336 DEG CH 4
 1310 DEG CH 2 1369 DEG CH 4
 19:30:00 12 RJG 2005 12 RJG 2005 1369 DEG CH 4
 19:30:00 12 RJG 2005 12 RJG 2005 1369 DEG CH 4
 (3) 500 TC 3 1000 DEG 1500 2000 2500
 (2) 500 TC 2 1000 DEG 1500 2000 2500
 (1) 500 TC 1 1000 DEG 1500 2000 2500
 19:42:00 12 RJG 2005 12 RJG 2005 1369 DEG CH 4
 19:42:00 12 RJG 2005 12 RJG 2005 1369 DEG CH 4
 (6) 500 2000 2500
 6
 5
 4
 3

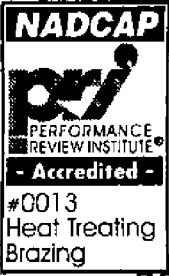
4276 KA



Time	Channel	Frequency	Bandwidth	Modulation	Power	Notes
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20:00:00	CH 2	1896	DEG		1500	
20:00:00	CH 3	1899	DEG		1500	
20:00:00	CH 4	1893	DEG		2000	
20:00:00	CH 5	1900	DEG		2000	
20:00:00	CH 6	1900	DEG		2000	
20:00:00	CH 7	1900	DEG		2000	
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20:00:00	CH 97	1900	DEG		2000	
20:00:00	CH 98	1900	DEG		2000	
20:00:00	CH 99	1900	DEG		2000	
20:00:00	CH 100	1900	DEG		2000	



4275 K0



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50266

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-04576

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1529

DATE SHIPPED 8-18-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-4

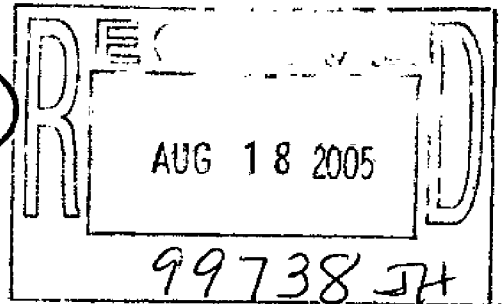
JOB #65678-24/5, 65678-4/5

SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

AUG 25 2005



Lines 1 & 2

Sworn and subscribed to before me...

on 8-18-05

Notary Public Morgan County - State of Indiana

My commission expires 9-30-09

(Name)

(Title)



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50265

Vendor Code # 107576

P.O. # P05-04579

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1533

DATE SHIPPED 8-18-05

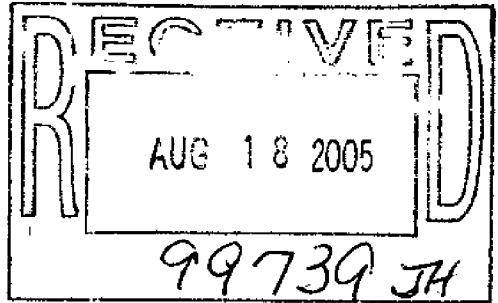
QUANTITY	DESCRIPTION
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1 PC	#SE120-003-1-4 JOB #65678-4/6 SEQ #30
------	---

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

AUG 25 2005



Sworn and subscribed to before me...

on 8-18-05

Notary Public Morgan County - State of Indiana

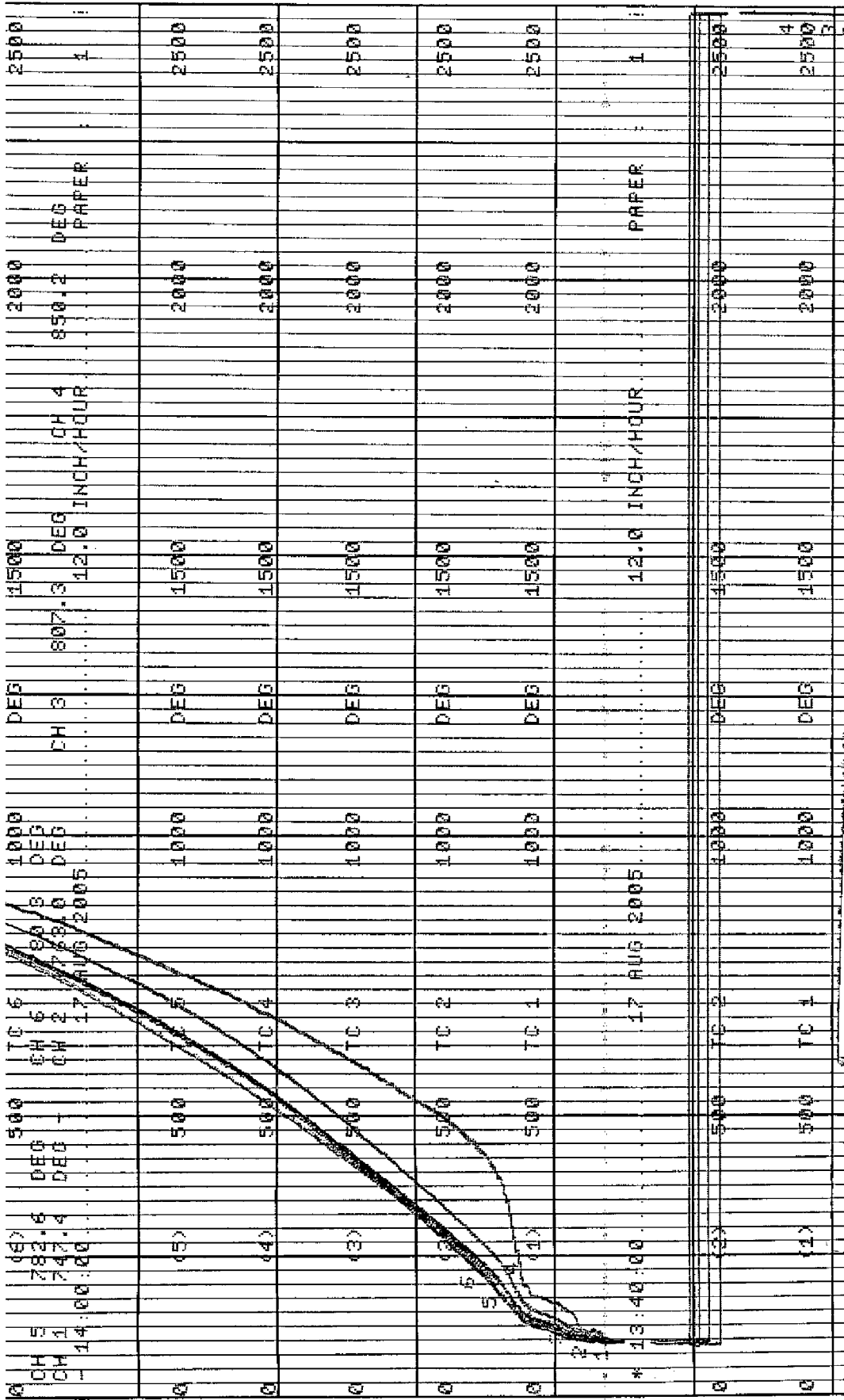
My commission expires: 9-30-09

Keith Shuck

(Name)

QA

(Title)

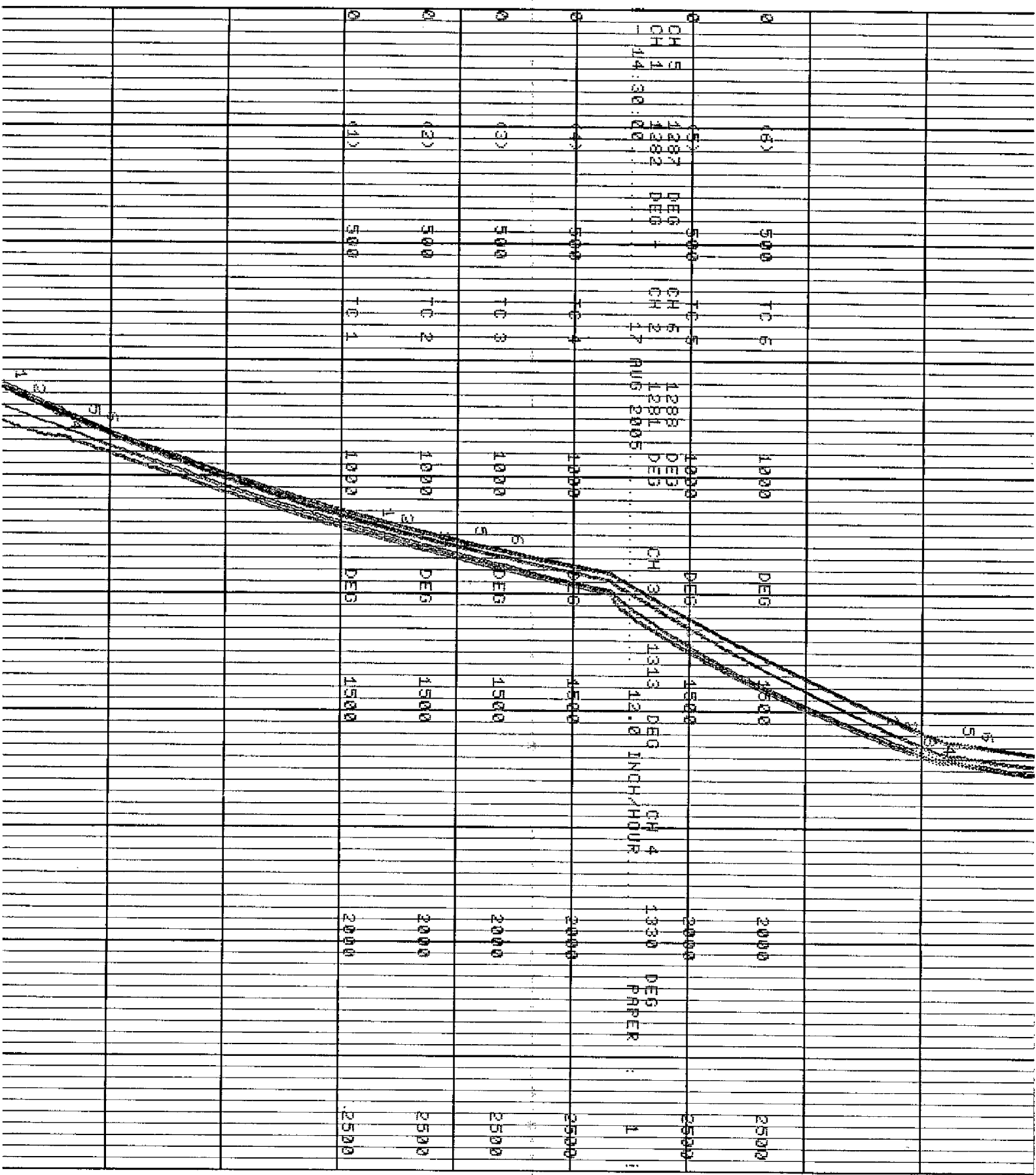


EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 8-17-05 COMPANY: MARLBOR TANK
 LOAD #: 05-1529 MATERIAL: Inco 625
 QTY: 2 P/N: SE 120-003-1-4
PAPER
65678-24/5 # 65678-4/5
 FURNACE: GF-1 ATMOS: H2
 REF. SPEC.: AMS 2774
 RECORDER: DPR-01 TIME START: 13:40

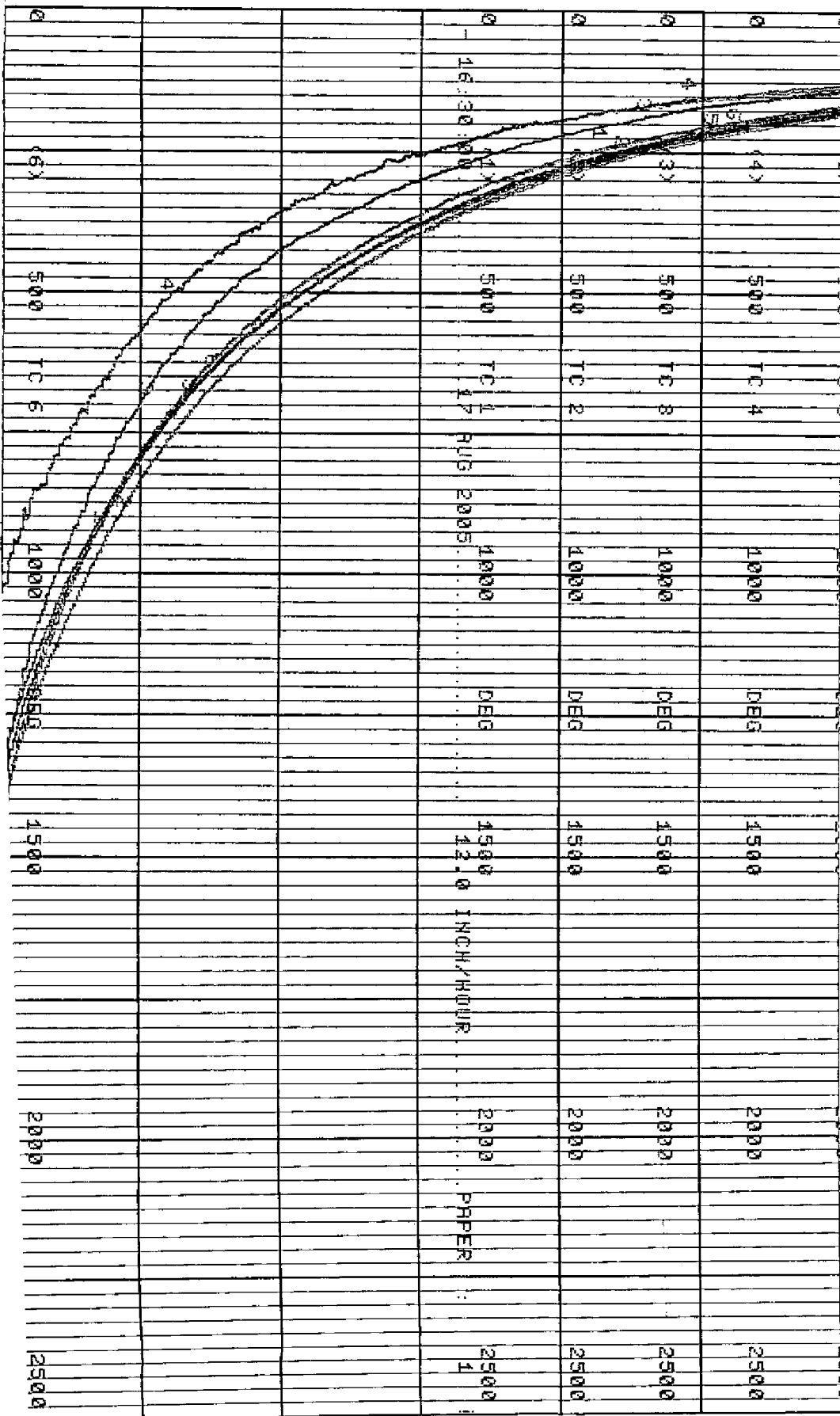
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 * 17:32:00

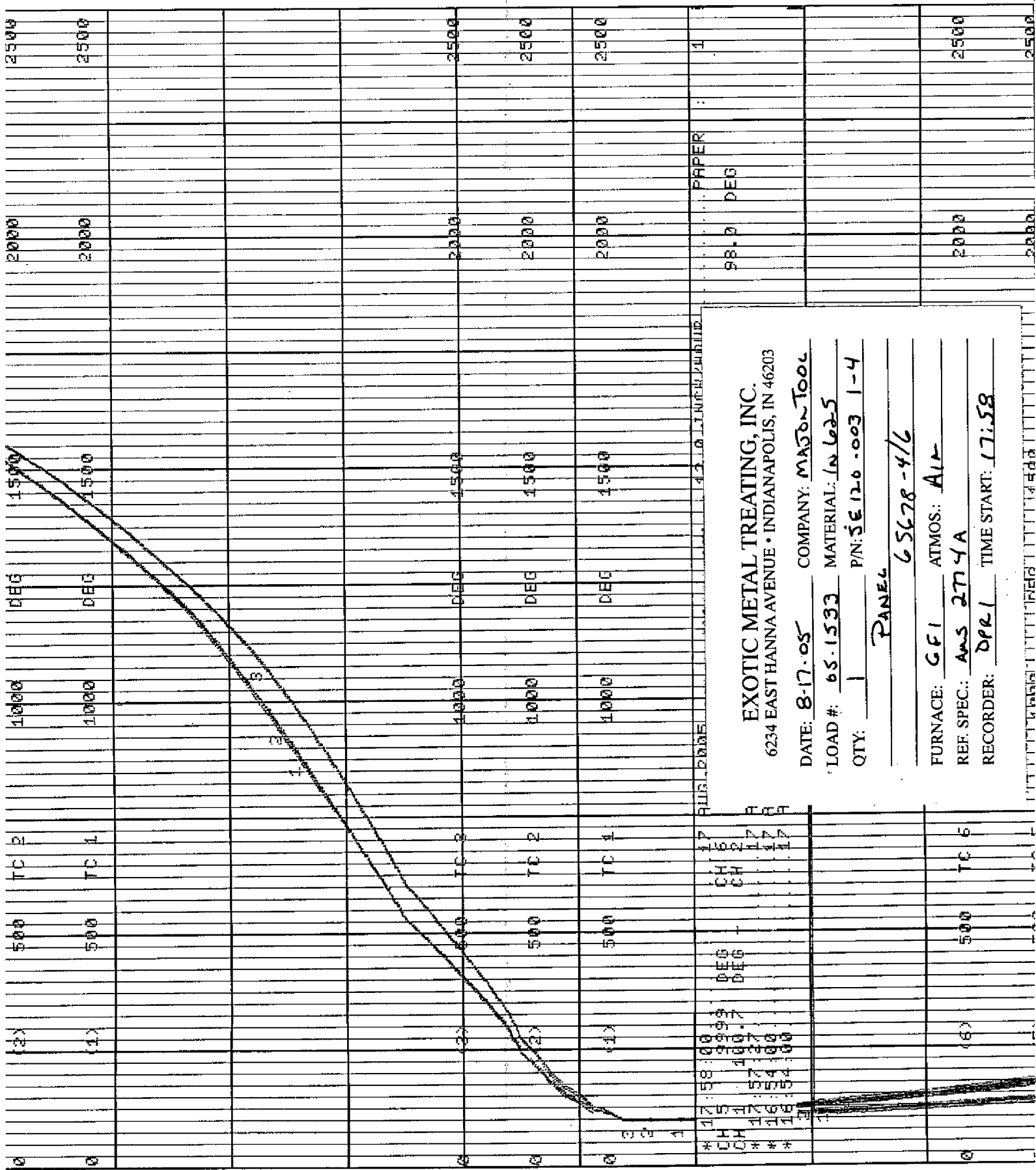
4275 KA



CH 1 1902 15:30	DEG 1	CH 2 17 RUG 2005	1901 DEG 5	CH 3 DEG	1903 12.0 DEG INCH/	CH 4 1901 DEG PAPER 1
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(7)	500	TC 4	1000	DEG	1500	2000
(8)	500	TC 5	1000	DEG	1500	2000
(9)	500	TC 3	1000	DEG	1500	2000
(10)	500	TC 2	1000	DEG	1500	2000
(11)	500	TC 1	1000	DEG	1500	2000
(12)	500	TC 1	1000	DEG	1500	2000

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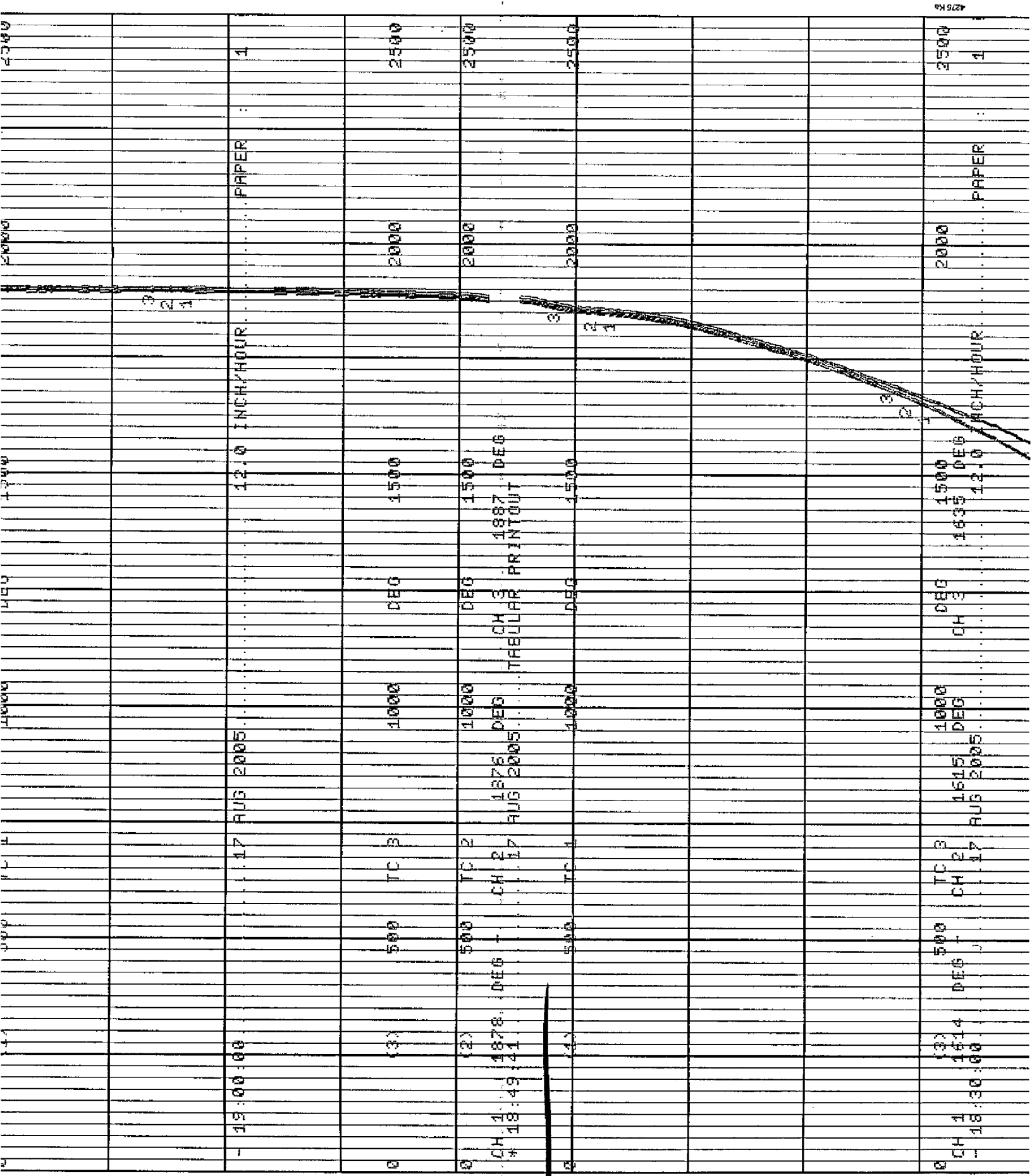




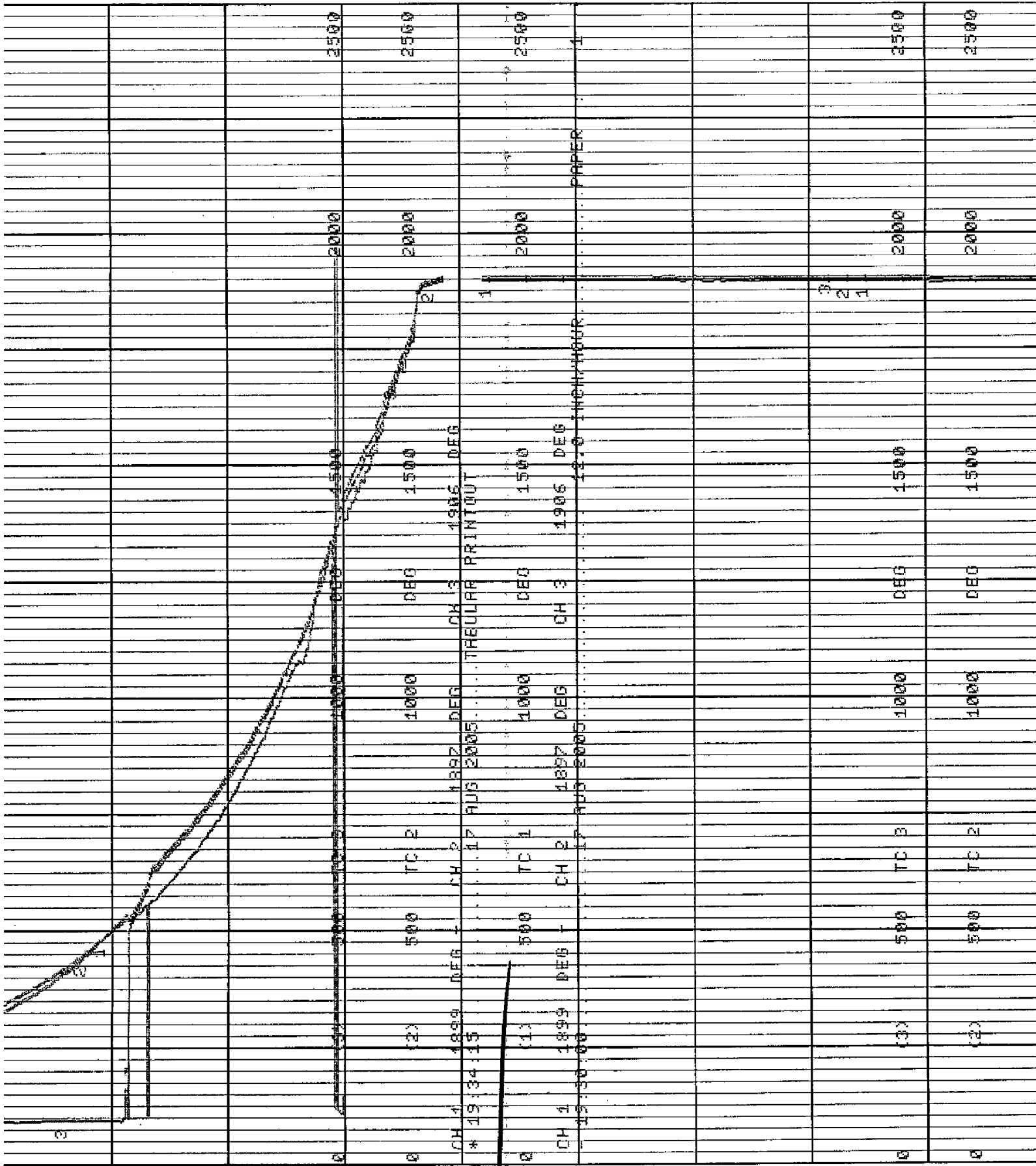
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 8-17-05 COMPANY: MASON TOOL
 LOAD #: 65-1533 MATERIAL: IN 625
 QTY: 1 P/N: SE 120-003 1-4
PANEL
 FURNACE: GFI ATMOS: AIR
 REF. SPEC: AMS 2774A
 RECORDER: DPR1 TIME START: 17:58

TIME	TC 1	TC 2	TC 3	DEG	PAPER
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17:58:30	CH 17	CH 17	CH 17		
17:59:00	CH 17	CH 17	CH 17		
17:59:30	CH 17	CH 17	CH 17		
18:00:00	CH 17	CH 17	CH 17		
18:00:30	CH 17	CH 17	CH 17		
18:01:00	CH 17	CH 17	CH 17		
18:01:30	CH 17	CH 17	CH 17		
18:02:00	CH 17	CH 17	CH 17		
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18:03:00	CH 17	CH 17	CH 17		
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18:05:30	CH 17	CH 17	CH 17		
18:06:00	CH 17	CH 17	CH 17		
18:06:30	CH 17	CH 17	CH 17		
18:07:00	CH 17	CH 17	CH 17		
18:07:30	CH 17	CH 17	CH 17		
18:08:00	CH 17	CH 17	CH 17		
18:08:30	CH 17	CH 17	CH 17		
18:09:00	CH 17	CH 17	CH 17		
18:09:30	CH 17	CH 17	CH 17		
18:10:00	CH 17	CH 17	CH 17		
18:10:30	CH 17	CH 17	CH 17		
18:11:00	CH 17	CH 17	CH 17		
18:11:30	CH 17	CH 17	CH 17		
18:12:00	CH 17	CH 17	CH 17		
18:12:30	CH 17	CH 17	CH 17		
18:13:00	CH 17	CH 17	CH 17		
18:13:30	CH 17	CH 17	CH 17		
18:14:00	CH 17	CH 17	CH 17		
18:14:30	CH 17	CH 17	CH 17		
18:15:00	CH 17	CH 17	CH 17		
18:15:30	CH 17	CH 17	CH 17		
18:16:00	CH 17	CH 17	CH 17		
18:16:30	CH 17	CH 17	CH 17		
18:17:00	CH 17	CH 17	CH 17		
18:17:30	CH 17	CH 17	CH 17		
18:18:00	CH 17	CH 17	CH 17		
18:18:30	CH 17	CH 17	CH 17		
18:19:00	CH 17	CH 17	CH 17		
18:19:30	CH 17	CH 17	CH 17		
18:20:00	CH 17	CH 17	CH 17		
18:20:30	CH 17	CH 17	CH 17		
18:21:00	CH 17	CH 17	CH 17		
18:21:30	CH 17	CH 17	CH 17		
18:22:00	CH 17	CH 17	CH 17		
18:22:30	CH 17	CH 17	CH 17		
18:23:00	CH 17	CH 17	CH 17		
18:23:30	CH 17	CH 17	CH 17		
18:24:00	CH 17	CH 17	CH 17		
18:24:30	CH 17	CH 17	CH 17		
18:25:00	CH 17	CH 17	CH 17		
18:25:30	CH 17	CH 17	CH 17		
18:26:00	CH 17	CH 17	CH 17		
18:26:30	CH 17	CH 17	CH 17		
18:27:00	CH 17	CH 17	CH 17		
18:27:30	CH 17	CH 17	CH 17		
18:28:00	CH 17	CH 17	CH 17		
18:28:30	CH 17	CH 17	CH 17		
18:29:00	CH 17	CH 17	CH 17		
18:29:30	CH 17	CH 17	CH 17		
18:30:00	CH 17	CH 17	CH 17		



4275 KPa

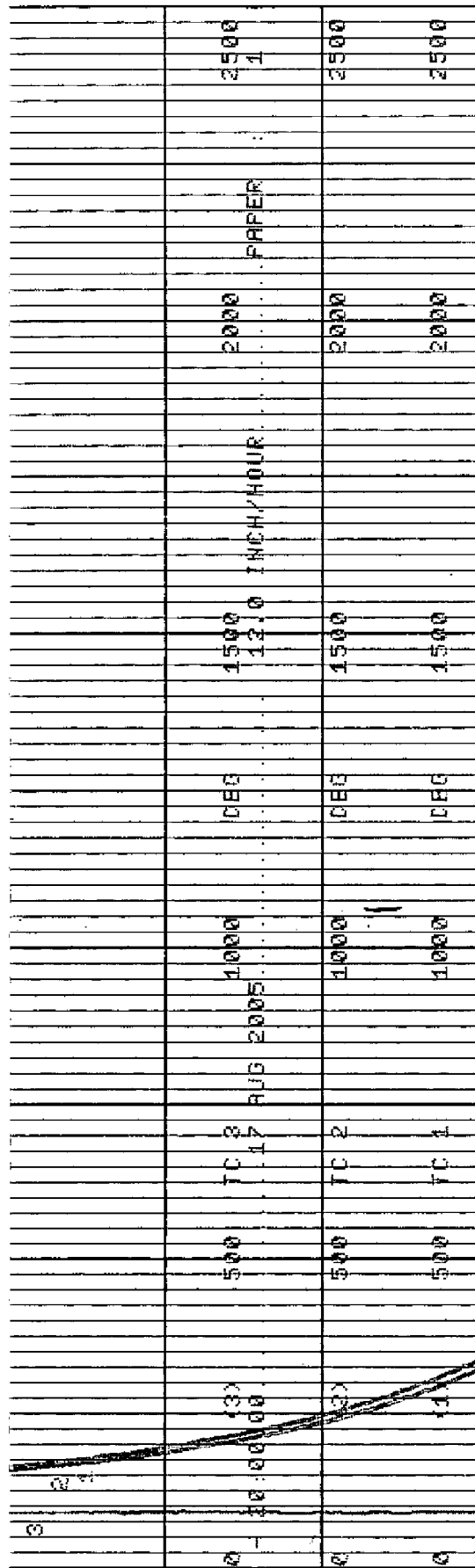


CH 1 1899 DEG 1 CH 2 1892 DEG CH 3 1906 DEG
 * 19:34:15
 THEULPA PRINTOUT

CH 1 1899 DEG 1 CH 2 1897 DEG CH 3 1906 DEG
 17 AUG 2005 12:01 HOUR

CH 1 1899 DEG 1 CH 2 1897 DEG CH 3 1906 DEG
 17 AUG 2005 12:01 HOUR

CH 1 1899 DEG 1 CH 2 1897 DEG CH 3 1906 DEG
 17 AUG 2005 12:01 HOUR





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49951

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03549/P05-03610

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts CONFORMS to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1157

DATE SHIPPED 6-28-05

QUANTITY

DESCRIPTION

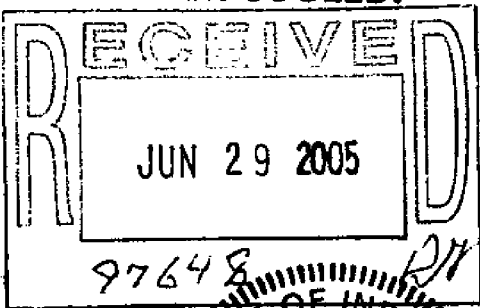
2 PCS

#SE120-003-1-10

JOB #65678-5/6, 65678-5/5 SEQ #30

MATERIAL: INCO 625

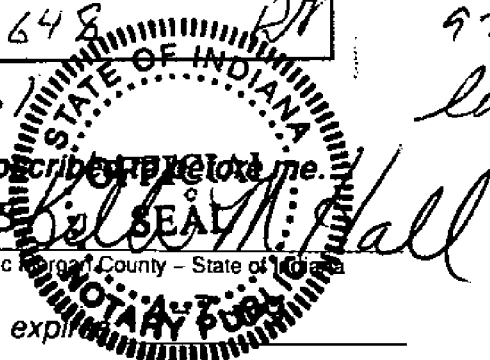
**SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.**



97650 RY
line 1

Sworn and subscribed before me.

on 6-28-05 at Indianapolis
Notary Public for Marion County - State of Indiana

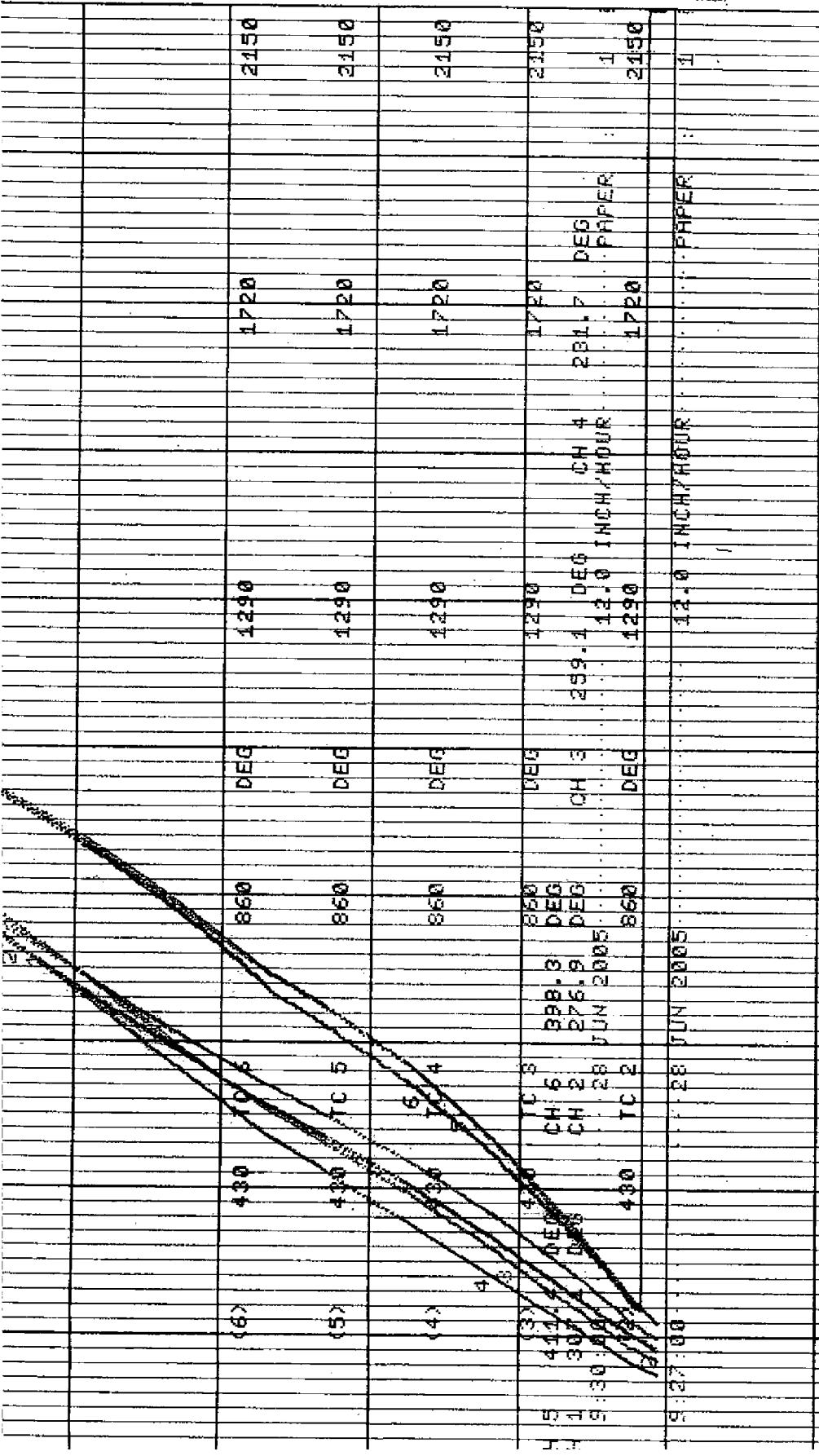


Kurt Shuck
(Name)

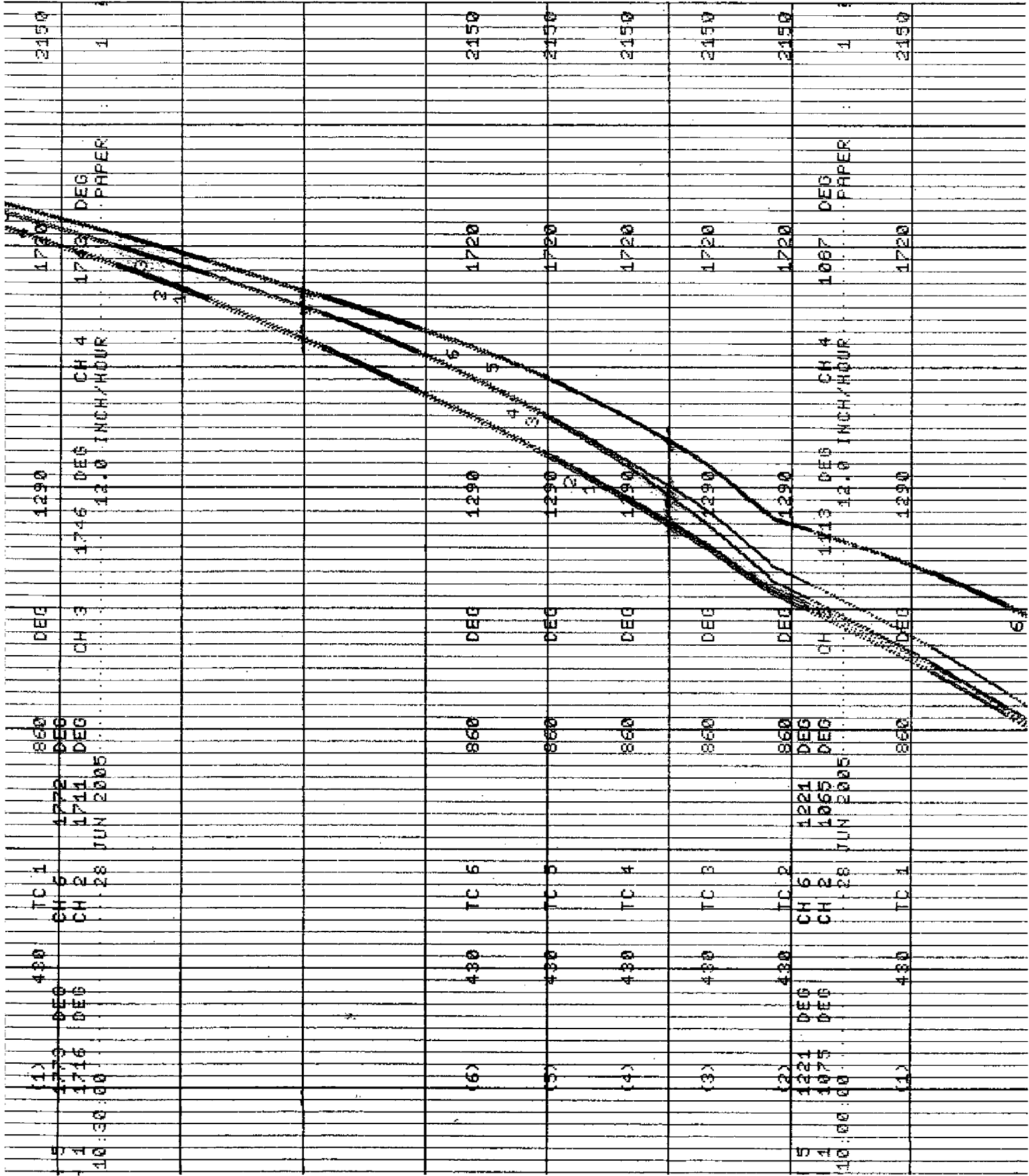
QA
(Title)

My commission expires _____

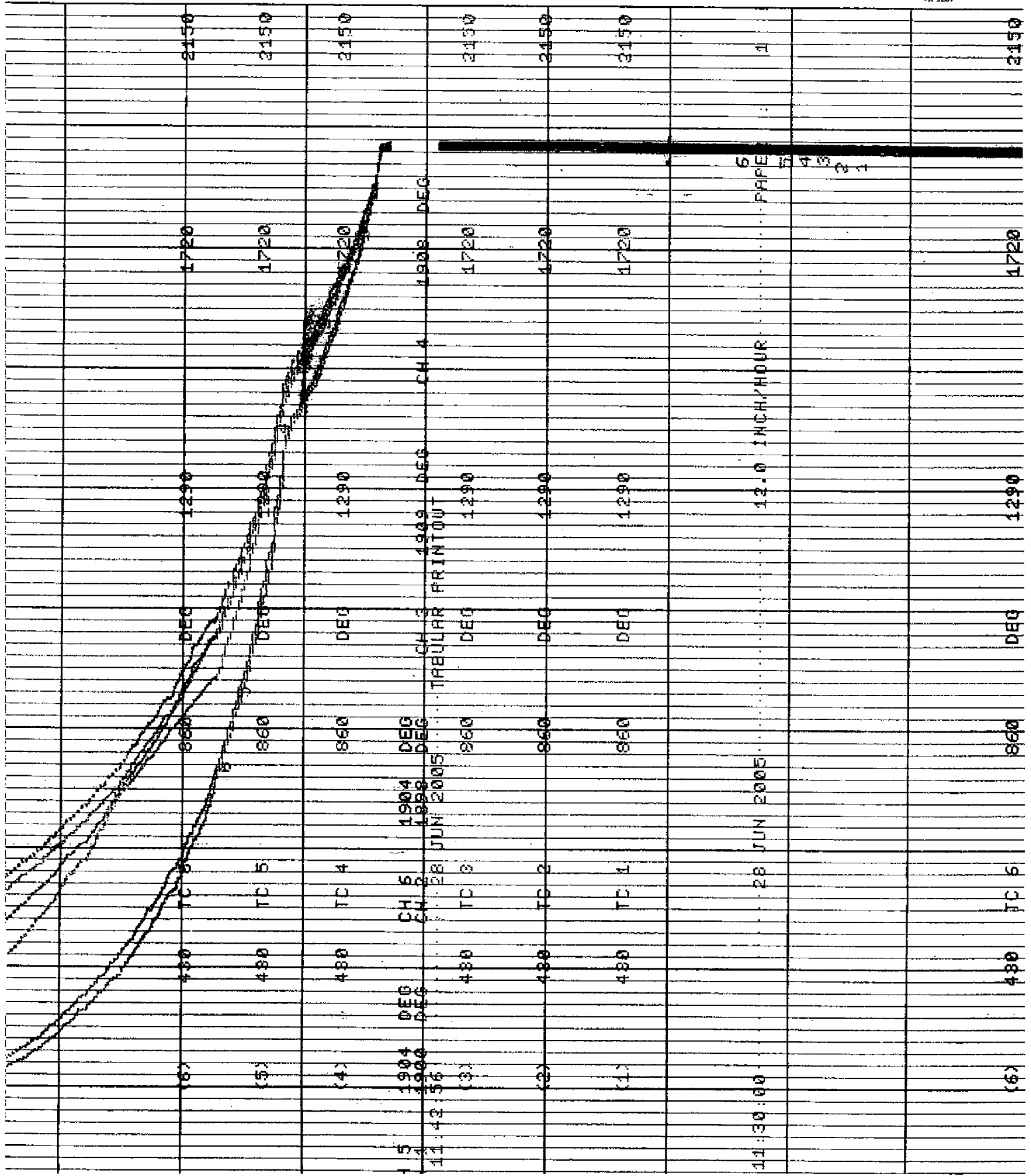
4275 KA



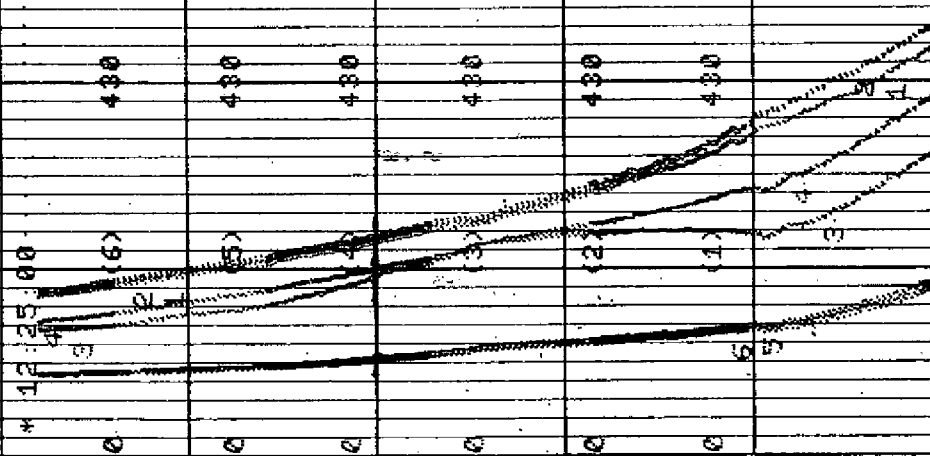
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6-28-05 COMPANY: Majac Tool
 LOAD #: 05-1158 MATERIAL: HAST-X
 QTY: 2 P/N: SE120-003-1-10
PANEL SEGMENT #5
 FURNACE: GF-1 ATMOS.: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: DPL-03 TIME START: 9:27AM



(4)	480	TC 4	860	DEG	1290	1720	2150
(3)	480	TC 3	860	DEG	1290	1720	2150
(2)	480	TC 2	860	DEG	1290	1720	2150
(1)	480	TC 1	860	DEG	1290	1720	2150
11:00:00		28 JUN 2005			12.0 INCH/HOUR		PAPER 1
15	1897	DEG	1898	DEG	1904	1899	DEG
14	1887	DEG	1886	DEG	1904	1899	DEG
13	1887	CH 6	1886	DEG	1904	1899	DEG
12	1887	CH 2	1886	DEG	1904	1899	DEG
11	1887	CH 2	1886	DEG	1904	1899	DEG
10:57:01		28 JUN 2005			12.0 INCH/HOUR		PAPER 1
(6)	480	TC 6	860	DEG	1290	1720	2150
(5)	480	TC 5	860	DEG	1290	1720	2150
(4)	480	TC 4	860	DEG	1290	1720	2150
(3)	480	TC 3	860	DEG	1290	1720	2150



* 12:25:00	28 JUN 2005	PRINT INHIBIT MODE							
0	430	TC 6	850	DEC	1290	1720	2150		
0	430	TC 5	850	DEC	1290	1720	2150		
0	430	TC 4	850	DEC	1290	1720	2150		
0	430	TC 3	850	DEC	1290	1720	2150		
0	430	TC 2	850	DEC	1290	1720	2150		
0	430	TC 1	850	DEC	1290	1720	2150		





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50495

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-04577

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1826

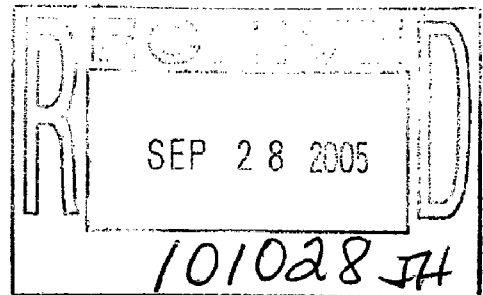
DATE SHIPPED 9-28-05

QUANTITY DESCRIPTION

1 PC #SE120-003-1-5
JOB #65678-5/6
SEQ #70

MATERIAL: INCO 625

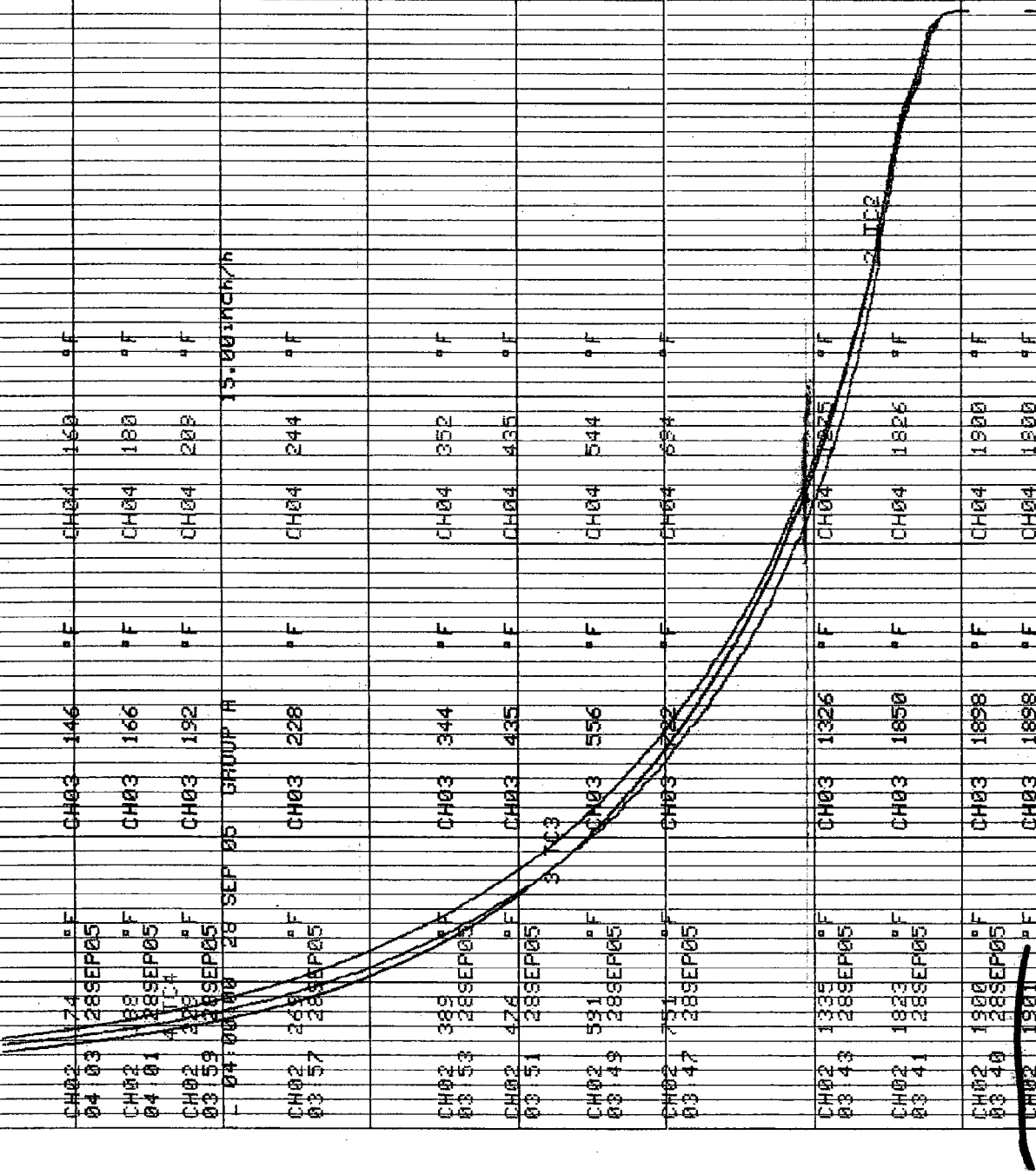
SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.



Sworn and subscribed to before me...
on 9-28-05 [Signature]
Notary Public Morgan County State of Indiana
My commission expires 9-30-09

Line 1
[Signature]
(Name)
QA
(Title)

CH02	04 06 13	28 SEP 05	PRINT INHIBIT	CH03	CH04	15.00INCH/75	WGT:
CH02 174	28SEP05	°F	CH03 146	°F	CH04 160	°F	
CH02 189	28SEP05	°F	CH03 166	°F	CH04 180	°F	
CH02 199	28SEP05	°F	CH03 192	°F	CH04 209	°F	
CH02 201	28SEP05	°F	CH03 228	°F	CH04 244	°F	
CH02 202	28SEP05	°F	CH03 344	°F	CH04 352	°F	
CH02 203	28SEP05	°F	CH03 435	°F	CH04 435	°F	
CH02 204	28SEP05	°F	CH03 556	°F	CH04 544	°F	
CH02 205	28SEP05	°F	CH03 554	°F	CH04 554	°F	
CH02 1335	28SEP05	°F	CH03 1326	°F	CH04 1325	°F	
CH02 1823	28SEP05	°F	CH03 1850	°F	CH04 1826	°F	
CH02 1900	28SEP05	°F	CH03 1898	°F	CH04 1900	°F	
CH02 1901	28SEP05	°F	CH03 1898	°F	CH04 1900	°F	
CH02 1901	28SEP05	°F	CH03 1898	°F	CH04 1900	°F	



CH02 02 37	1896 °F 28SEP05	CH03 1892	°F	CH04 1896	°F
CH02 02 55	1898 °F 28SEP05	CH03 1885	°F	CH04 1891	°F
CH02 02 54	1886 °F 28SEP05	CH03 1881	°F	CH04 1887	°F
CH02 02 53	1879 °F 28SEP05	CH03 1872	°F	CH04 1880	°F
CH02 02 51	1857 °F 28SEP05	CH03 1850	°F	CH04 1858	°F
CH02 02 49	1831 °F 28SEP05	CH03 1824	°F	CH04 1833	°F
CH02 02 47	1804 °F 28SEP05	CH03 1796	°F	CH04 1806	°F
CH02 02 43	1746 °F 28SEP05	CH03 1739	°F	CH04 1750	°F
CH02 02 41	1713 °F 28SEP05	CH03 1704	°F	CH04 1718	°F
CH02 02 39	1665 °F 28SEP05	CH03 1655	°F	CH04 1670	°F
CH02 02 37	1613 °F 28SEP05	CH03 1603	°F	CH04 1618	°F
CH02 02 33	1501 °F 28SEP05	CH03 1493	°F	CH04 1503	°F
CH02 02 31	1445 °F 28SEP05	CH03 1439	°F	CH04 1453	°F
CH02 02 29	1389 °F 28SEP05	CH03 1385	°F	CH04 1397	°F
- 02:30:00 28 SEP 05 GROUP A		15.00in/h			
CH02 02 27	1330 °F 28SEP05	CH03 1331	°F	CH04 1341	°F
#01!					

2 TC2

4 TC4

3 TC3

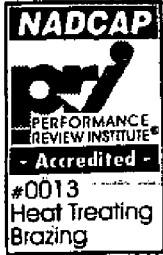
2 TC2

CH02 02 23	1218 °F 289SEP05	CH03 1223	°F	CH04 1222	°F
CH02 02 21	1160 °F 289SEP05	CH03 1169	°F	CH04 1171	°F
CH02 02 19	1100 °F 289SEP05	CH03 1112	°F	CH04 1111	°F
CH02 02 17	1033 °F 289SEP05	CH03 1058	°F	CH04 1051	°F
CH02 02 13	914 °F 289SEP05	CH03 948	°F	CH04 933	°F
CH02 02 11	844 °F 289SEP05	CH03 886	°F	CH04 867	°F
CH02 02 09	770 °F 289SEP05	CH03 818	°F	CH04 793	°F
CH02 02 07	693 °F 289SEP05	CH03 748	°F	CH04 718	°F
CH02 02 03	536 °F 289SEP05	CH03 582	°F	CH04 563	°F
CH02 02 01	429 °F 289SEP05	CH03 463	°F		
CH02 01 31	333 °F 289SEP05	CH03 360	°F		
CH02 01 29	289SEP05	GROUP A			
CH02 01 28	289SEP05				
CH02 01 27	289SEP05				
CH02 01 26	289SEP05				
CH02 01 25	289SEP05				
CH02 01 24	289SEP05				
CH02 01 23	289SEP05				
CH02 01 22	289SEP05				
CH02 01 21	289SEP05				
CH02 01 20	289SEP05				
CH02 01 19	289SEP05				
CH02 01 18	289SEP05				
CH02 01 17	289SEP05				
CH02 01 16	289SEP05				
CH02 01 15	289SEP05				
CH02 01 14	289SEP05				
CH02 01 13	289SEP05				
CH02 01 12	289SEP05				
CH02 01 11	289SEP05				
CH02 01 10	289SEP05				
CH02 01 09	289SEP05				
CH02 01 08	289SEP05				
CH02 01 07	289SEP05				
CH02 01 06	289SEP05				
CH02 01 05	289SEP05				
CH02 01 04	289SEP05				
CH02 01 03	289SEP05				
CH02 01 02	289SEP05				
CH02 01 01	289SEP05				

EXOTIC METAL TREATING, INC.
6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 9-28-05 COMPANY: MAJDA
LOAD #: 05-1826 MATERIAL: INCO 625
QTY: 1 PN: SE/20-003-1-5
65678-5/6

FURNACE: GF-2 ATMOS: AIR
REF. SPEC.: AMS-2774-A
RECORDER: DPR-06 TIME START: 1:45 AM



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50151
Vendor Code # 107576

P.O. # P05-04057, P05-04048, P05-03857

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts CONFORMS to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1396

DATE SHIPPED 7-30-05

QUANTITY

DESCRIPTION

5 PCS

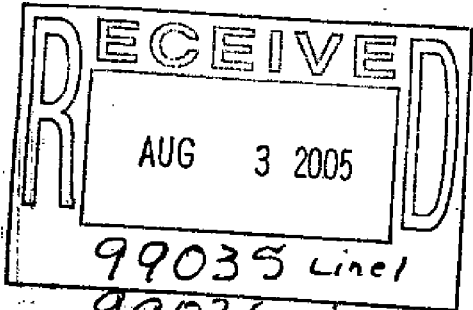
#SE120-003-1-10

JOB #65678-6/5, 65678-26/5, 65678-6/6,
65678-26/4, 65678-6/4 SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

AUG 04 2005



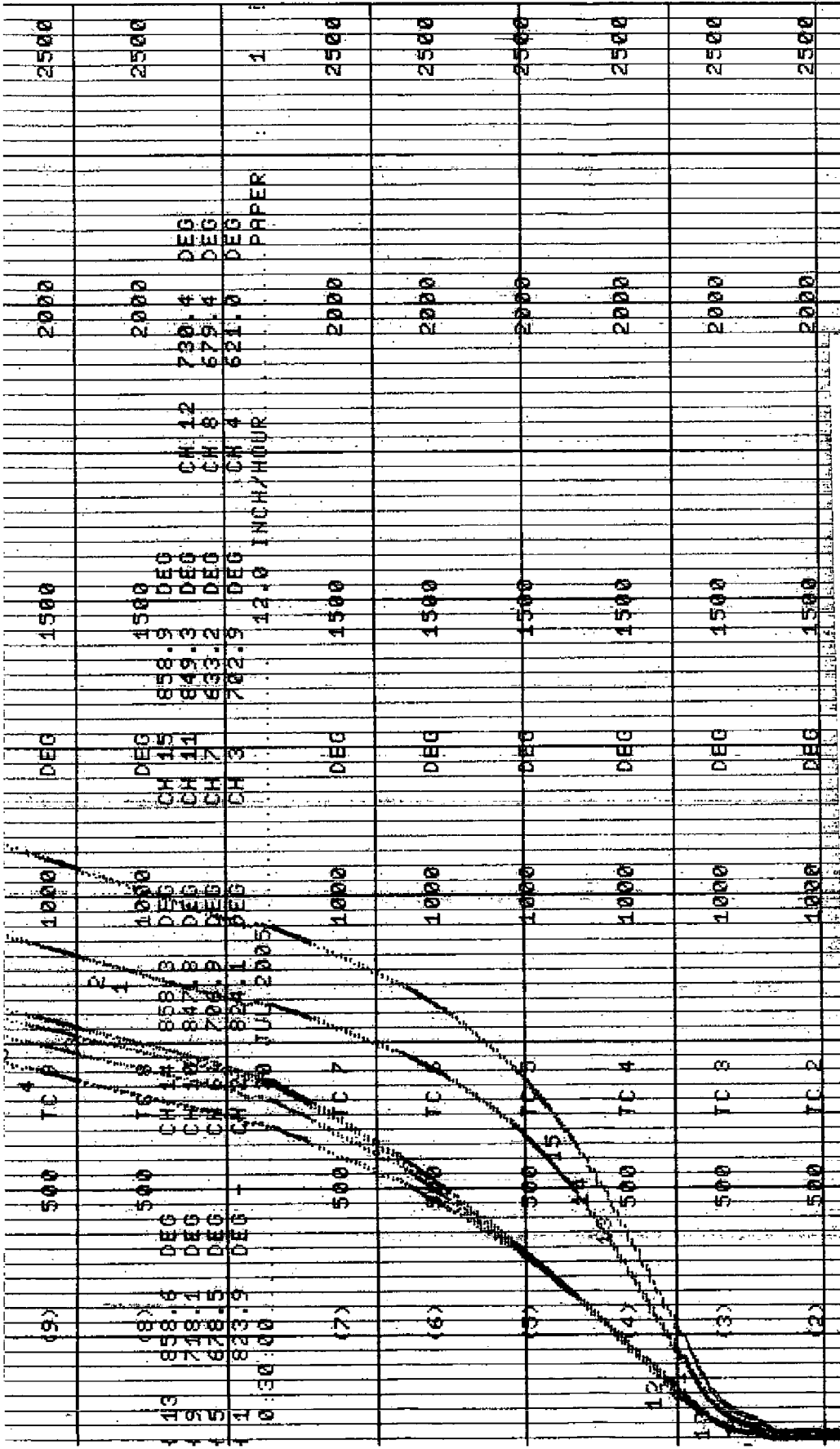
Sworn and subscribed to before me...

on 8-1-05 [Signature]
Notary Public Morgan County State of Indiana

My commission expires 09-30-09

[Signature]
(Name)

[Signature]
(Title)



EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

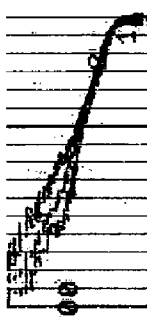
DATE: 7/30/05 COMPANY: MAJOR
 LOAD #: 05-1396 MATERIAL: INL 605
 QTY: 5 PN: SF 120-003-1-10
PANEL 65678-6/5, 65678-26/5, 65678-6/6
65678-6/4 65678-26/4
 FURNACE: Gf-1 ATMOS.: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: APR-01 TIME START: 12:07AM

PAPER

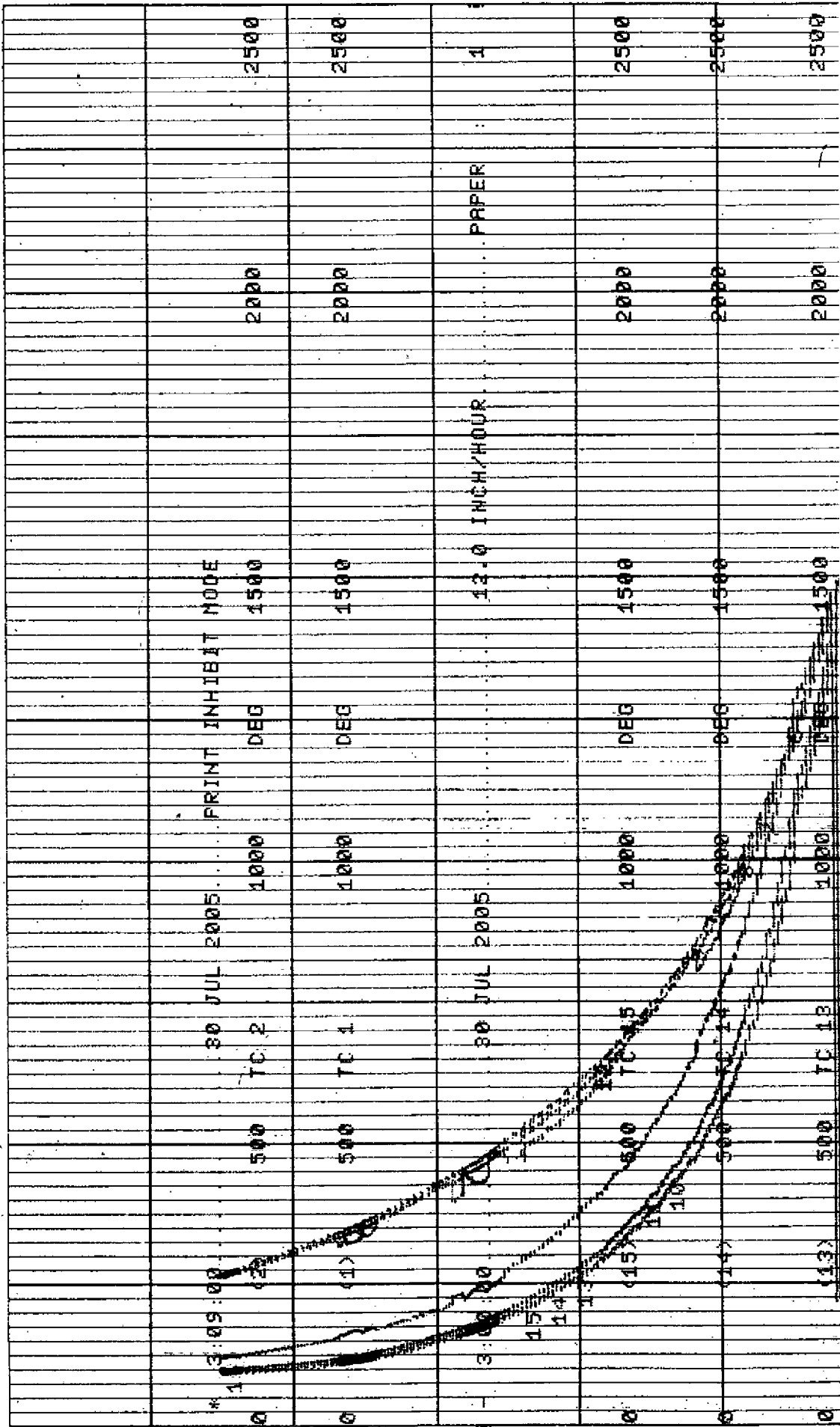
1

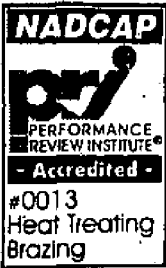
Time	TC	Temp	Unit	Rate	Material	Temp	Unit	Rate	Material	Temp	Unit	Rate	Material
2:00:00	TC 15	500	DEG	1000	12.0 INCH/HOUR	1500	DEG	2000	PAPER	2500	1		
19	CH 14	1904	DEG	1000	CH 15	1905	DEG	1898	DEG	2500			
19	CH 10	1904	DEG	1000	CH 11	1906	DEG	1894	DEG	2500			
19	CH 6	1899	DEG	1000	CH 7	1898	DEG	1894	DEG	2500			
19	CH 2	1906	DEG	1000	CH 3	1898	DEG	1885	DEG	2500			
19	CH 30	JUL 2005	DEG	1000	TABULAR PRINTOUT								
(14)	TC 14	500	DEG	1000		1500	DEG	2000		2500			
(13)	TC 13	500	DEG	1000		1500	DEG	2000		2500			
(12)	TC 12	500	DEG	1000		1500	DEG	2000		2500			
(11)	TC 11	500	DEG	1000		1500	DEG	2000		2500			
(10)	TC 10	500	DEG	1000		1500	DEG	2000		2500			
(9)	TC 9	500	DEG	1000		1500	DEG	2000		2500			
<p>#13, 14, 15 RANGE SETTINGS 1:45 AM 8:20 AM</p> <p>REASON</p>													
13	TC 7	500	DEG	1000		1500	DEG	2000		2500			
13	CH 14	1737	DEG	1000	CH 15	1738	DEG	1704	DEG	2500			
13	CH 10	1699	DEG	1000	CH 11	1730	DEG	1672	DEG	2500			
13	CH 6	1671	DEG	1000	CH 7	1650	DEG	1635	DEG	2500			
13	CH 2	1711	DEG	1000	CH 3	1683	DEG	1635	DEG	2500			
1:30:00	TC 30	JUL 2005	DEG	1000	12.0 INCH/HOUR	1310	DEG		PAPER	1			
(6)	TC 6	500	DEG	1000		1500	DEG	2000		2500			

Q	(12)	500	TC 12	1000	DEG	1500	2000	2500
0	1904	DEG	CH 14	1903	DEG	1904	1897	2500
0	1900	DEG	CH 10	1903	DEG	1903	1897	2500
0	1897	DEG	CH 6	1898	DEG	1894	1898	2500
0	1905	DEG	CH 2	1908	DEG	1897	1894	2500
0	1905	DEG	CH 80	JUL 2005	DEG	TABULAR PRINTOUT	1894	2500
0	(11)	500	TC 11	1000	DEG	1500	2000	2500
0	(10)	500	TC 10	1000	DEG	1500	2000	2500
0	(9)	500	TC 9	1000	DEG	1500	2000	2500
0	(8)	500	TC 8	1000	DEG	1500	2000	2500
0	2:30:00	500	TC 7	1000	DEG	12.0 INCH/HOUR	2000	2500
0	(7)	500	TC 7	1000	DEG	1500	2000	2500
0	(6)	500	TC 5	1000	DEG	1500	2000	2500
0	(5)	500	TC 5	1000	DEG	1500	2000	2500
0	(4)	500	TC 4	1000	DEG	1500	2000	2500
0	(3)	500	TC 3	1000	DEG	1500	2000	2500
0	(2)	500	TC 2	1000	DEG	1500	2000	2500
0	(1)	500	TC 1	1000	DEG	1500	2000	2500



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Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50160

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-03858, P05-04286, P05-04287

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts CONFORMS to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1406

DATE SHIPPED 8-3-05

QUANTITY

DESCRIPTION

4 PCS

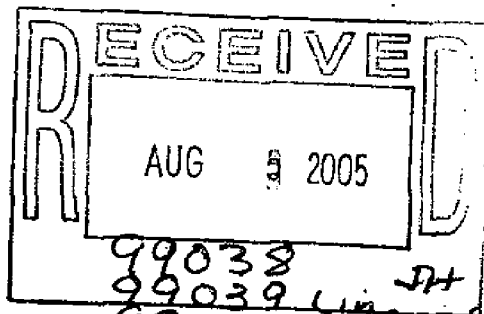
#SE120-003-1-10

JOB #65678-7/4, 65678-27/5, 65678-7/5,
65678-7/6 SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

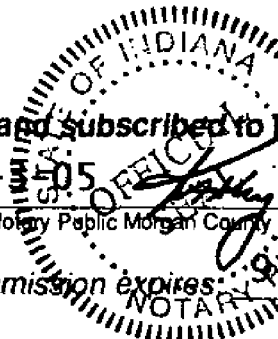
AUG 03 2005



Sworn and subscribed to before me...

on 8-3-05
Notary Public Morgan County - State of Indiana

My commission expires: 9-30-09

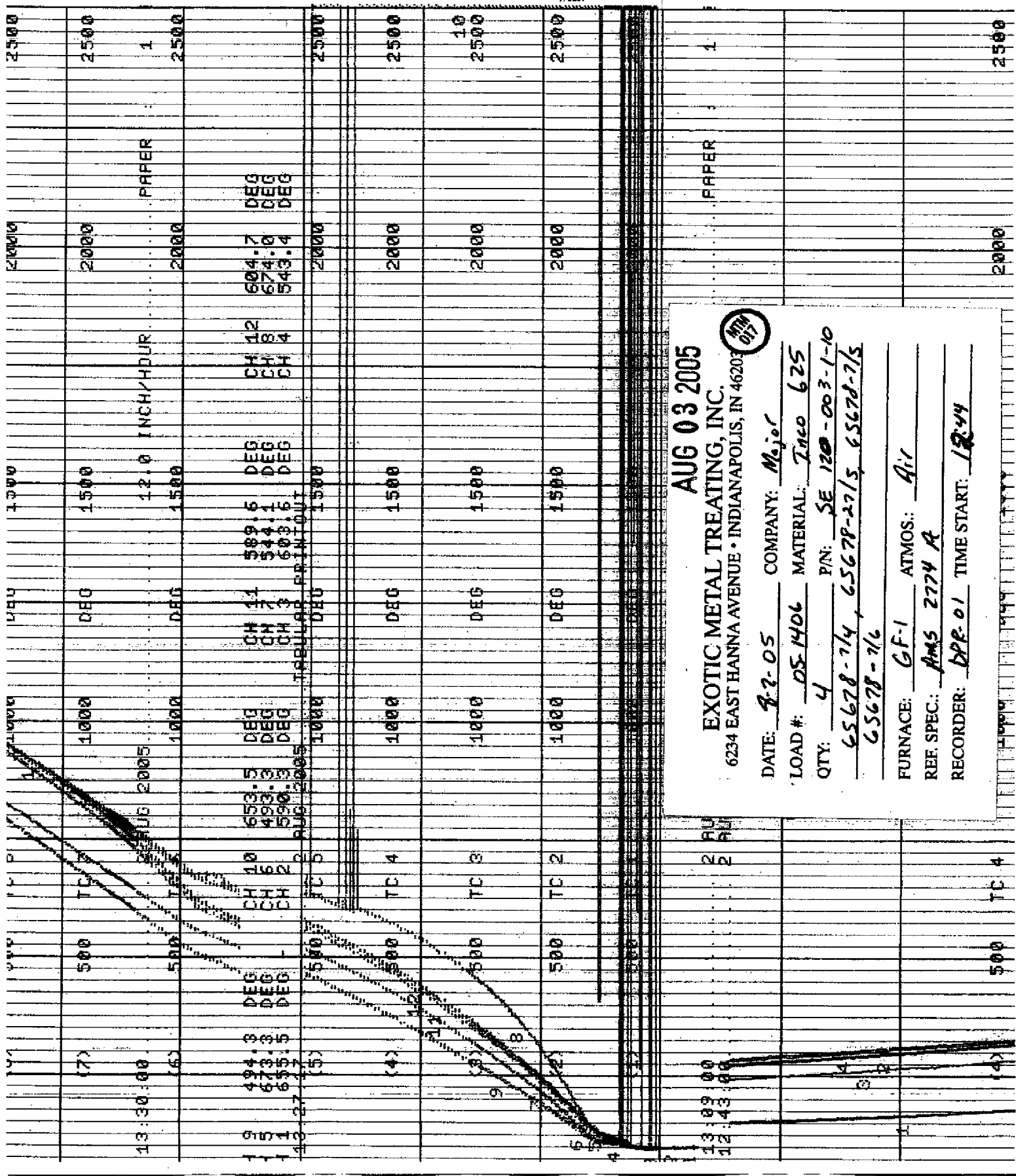


[Handwritten Signature]

(Name)

[Handwritten Title]

(Title)



AUG 03 2005

EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 8-2-05 COMPANY: Major
 LOAD #: DS-1406 MATERIAL: Inco 625
 QTY: 4 P/N: SE 120-003-1-10
65678-714, 65678-2715, 65678-715
65678-716
 FURNACE: GF-1 ATMOS: Air
 REF. SPEC.: AMS 2774 A
 RECORDER: DPE-01 TIME START: 12:44



FAPER

1

2500

2500

2000

1500

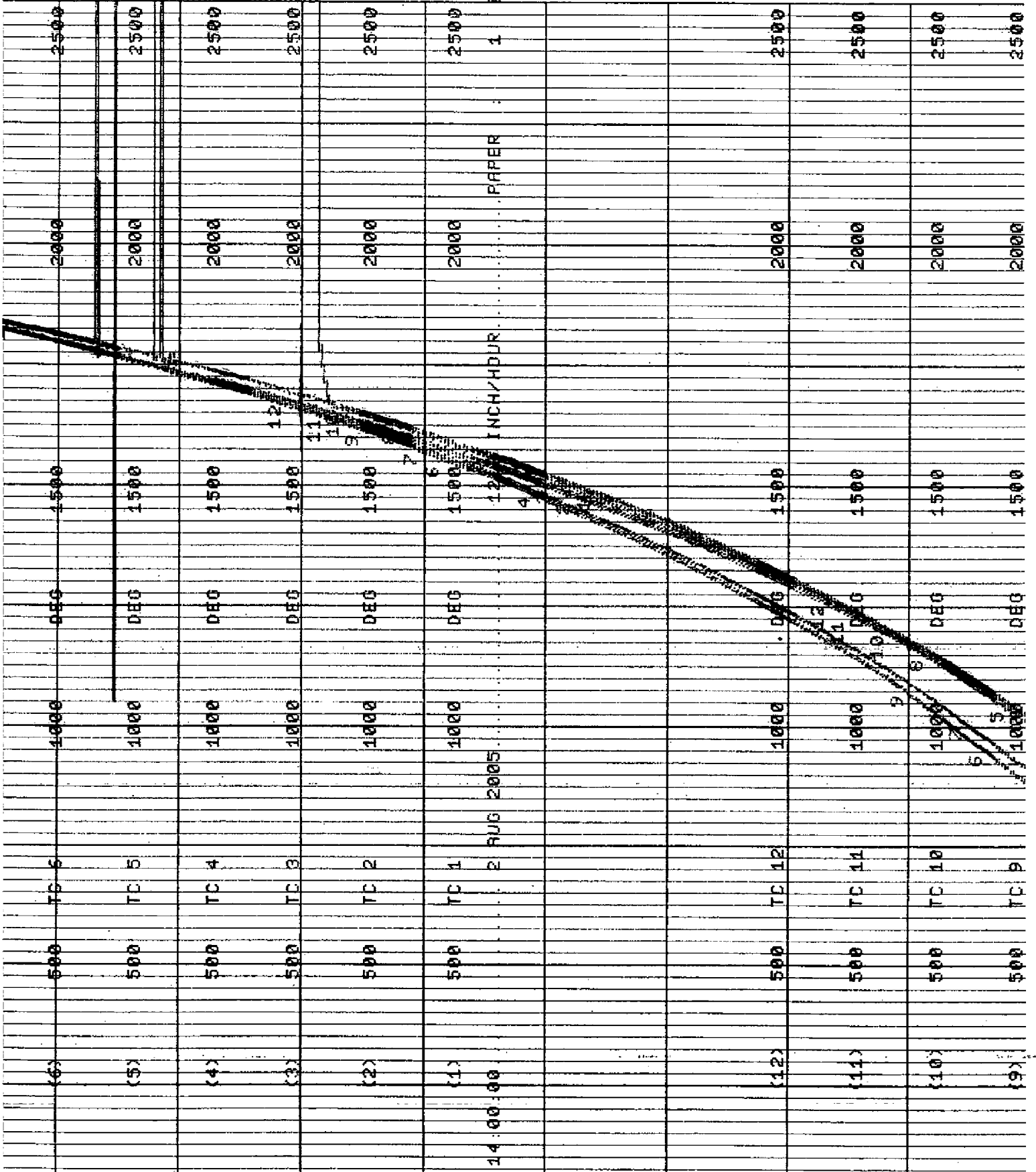
1000

500

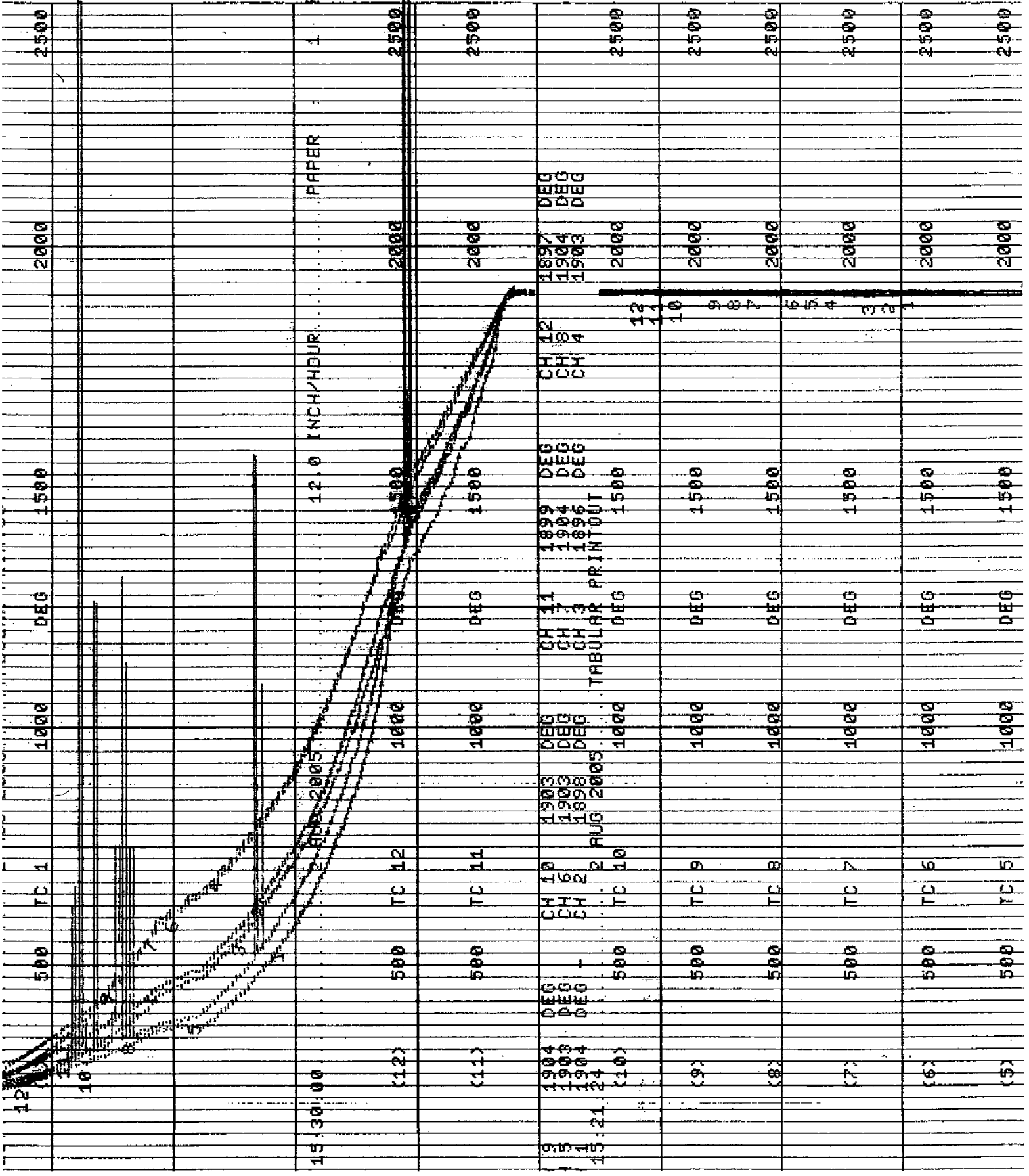
TC 4

14:44

4275 Ka



15:00:00	2	AUG 2005	12.0	INCH/HOUR	FAPER	1
(3)	TC 3	1000	DEG	1500	2000	2500
(2)	TC 2	1000	DEG	1500	2000	2500
(1)	TC 1	1000	DEG	1500	2000	2500
(4)	TC 12	1000	DEG	1500	2000	2500
(11)	TC 11	1000	DEG	1500	2000	2500
1893	CH 10	1893	CH 11	1886	1887	DEG
1892	CH 15	1892	CH 7	1883	1894	DEG
1894	CH 2	1895	CH 3	1886	1892	DEG
14:35:53	TABULAR PRINTOUT					
(10)	TC 10	1000	DEG	1500	2000	2500
1882	CH 10	1886	CH 11	1879	1877	DEG
1882	CH 5	1879	CH 7	1880	1883	DEG
1881	CH 2	1872	CH 3	1871	1876	DEG
14:30:00	12.0 INCH/HOUR					
(9)	TC 9	1000	DEG	1500	2000	2500
(8)	TC 8	1000	DEG	1500	2000	2500



12.0 INCH/HOUR PAPER

AUG 2005

15:30:00

(12) TC 12

(11) TC 11

(10) TC 10

(9) TC 9

(8) TC 8

(7) TC 7

(6) TC 6

(5) TC 5

1897 DEG
1904 DEG
1903 DEG

1899 DEG
1904 DEG
1896 DEG

CH 11
CH 3
CH 4
TABULAR PRINTOUT

1903 DEG
1903 DEG
1898 DEG

CH 10
CH 6
CH 2
AUG 2005

1904 DEG
1903 DEG
1904 DEG

1904 DEG
1904 DEG
1903 DEG

2000

1500

1000

500

2500

2000

1500

1000

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2000

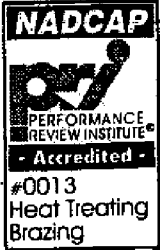
1500

1000

500

2500

CH 12
CH 8
CH 4
12
11
10
9
8
7
6
5
4
3
2
1



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50132

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03911, P05-04056

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1377

DATE SHIPPED 7-27-05

QUANTITY

DESCRIPTION

4 PCS.

#SE120-003-1-10

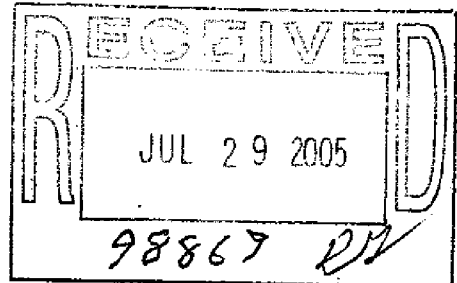
JOB #65678-10/4, 65678-8/5,

65678-28/5, 65678-8/6 SEQ #30

MATERIAL: INCO 625

AUG 03 2005

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.



Line 1

98870 PJ

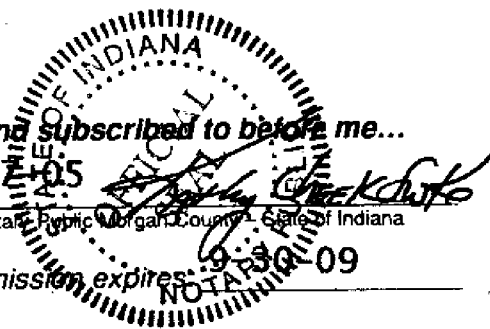
Line 1-3



Sworn and subscribed to before me...

on 7-27-05
Notary Public Morgan County State of Indiana

My commission expires 9-30-09

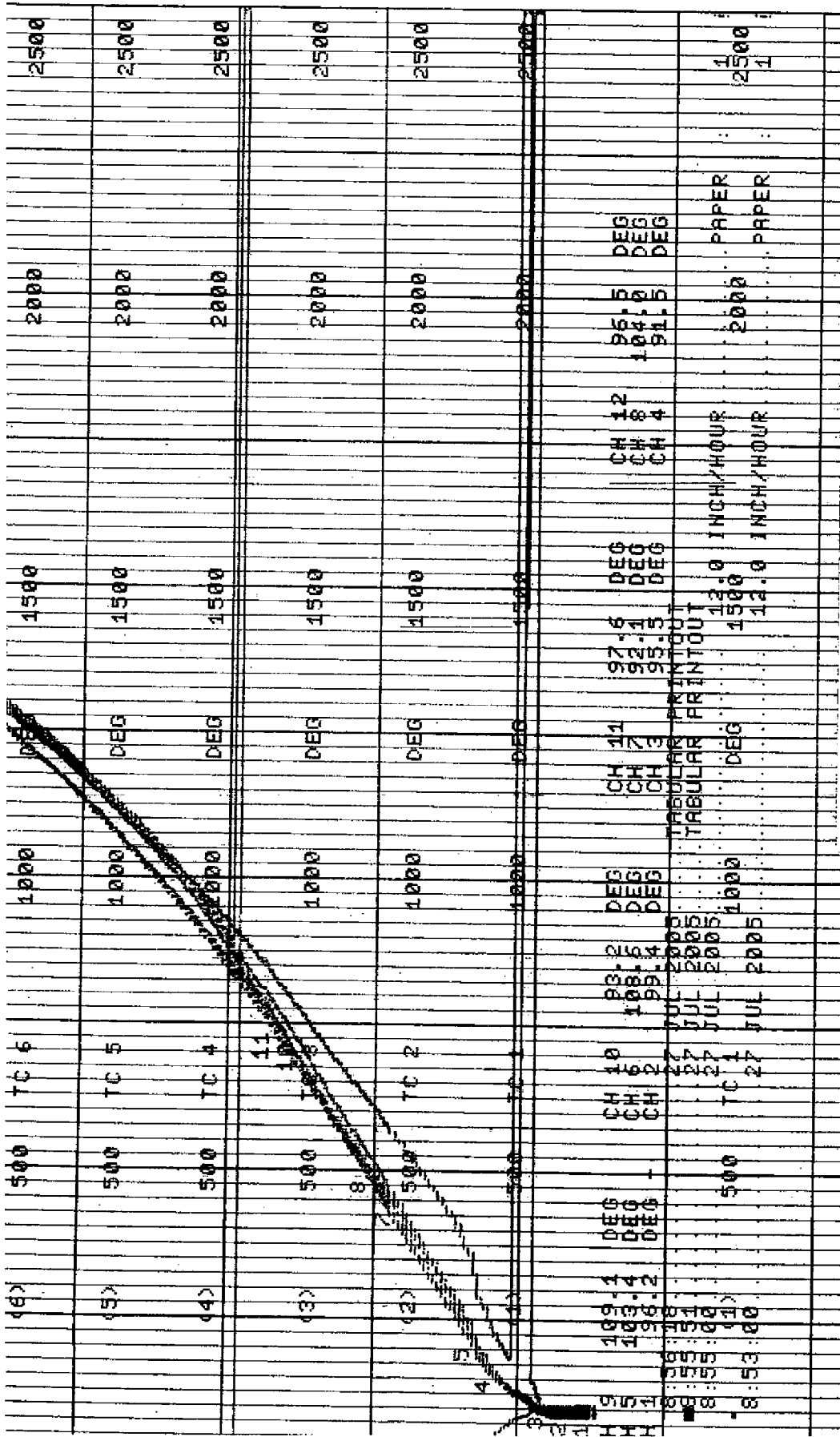


Kurt Stuebe

(Name)

PT

(Title)

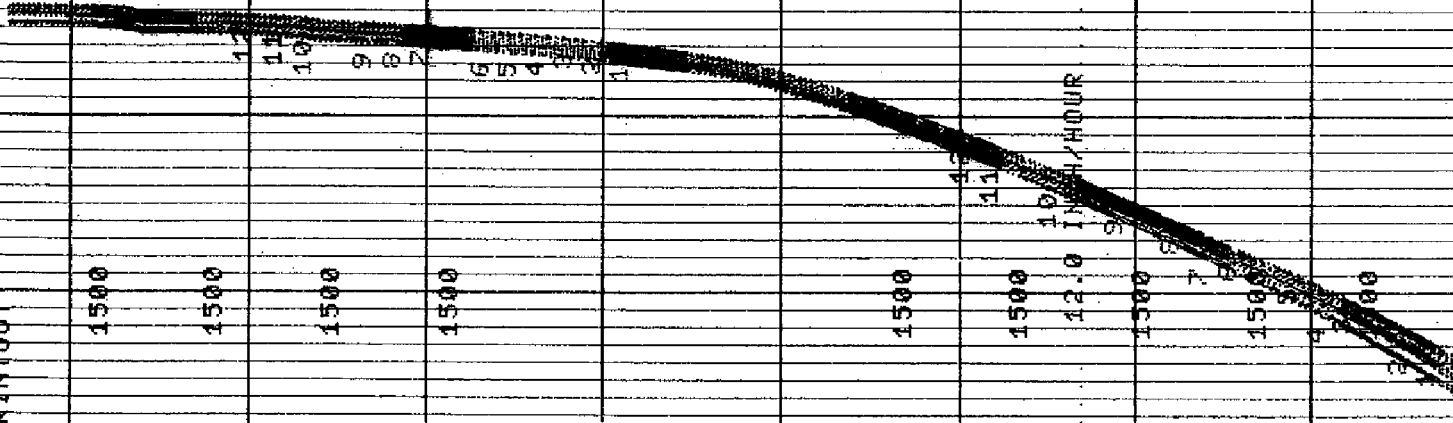


EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7-27-05 COMPANY: MAJOR TOOL
 LOAD #: 05-1377 MATERIAL: INCO 625
 QTY: 4 P/N: SE120-003-1-10
3PCS PANEL SEGMENTS # 8
1PC " " # 10
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC.: AMS-2774 REV: A
 RECORDER: DP-01 TIME START: 8:53AM

65678-10/4
 65678-8/5
 65678-28/5
 65678-8/6

10:00:04 27 JUL 2005 TABULAR PRINTOUT

(4)	500	TC 4	10000	DEG	1500	2000	2500
(3)	500	TC 3	10000	DEG	1500	2000	2500
(2)	500	TC 2	10000	DEG	1500	2000	2500
(1)	500	TC 1	10000	DEG	1500	2000	2500
(12)	500	TC 12	10000	DEG	1500	2000	2500
(11)	500	TC 11	10000	DEG	1500	2000	2500
(10)	500	TC 10	10000	DEG	1500	2000	2500
(9)	500	TC 9	10000	DEG	1500	2000	2500
(8)	500	TC 8	10000	DEG	1500	2000	2500



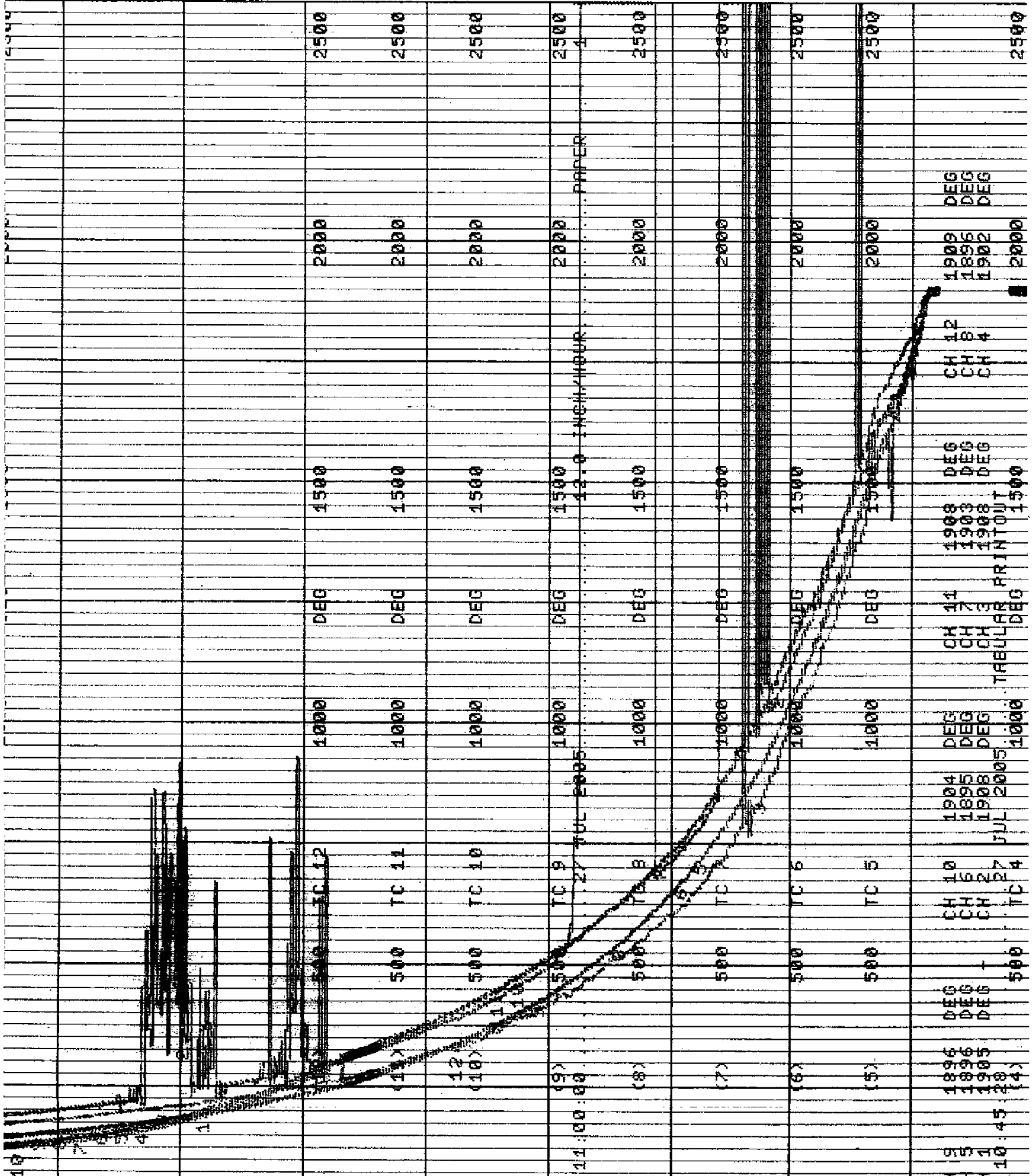
PAPER

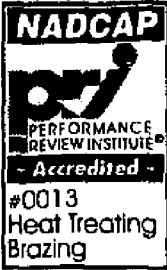
1000 IN/HOUR

27 JUL 2005

Time	Code	Value	Unit	Rate	Material	Quantity	Unit	Rate	Material	Quantity	Unit
10:30:00	(12)	500	TC 2	1000	DEG	1500	2000	2500	PAPER	1	
	(11)	500	TC 1	1000	DEG	1500	2000	2500			
	(12)	500	TC 12	1000	DEG	1500	2000	2500			
	(11)	500	TC 11	1000	DEG	1500	2000	2500			
	(10)	500	TC 10	1000	DEG	1500	2000	2500			
	(9)	500	TC 9	1000	DEG	1500	2000	2500			
	(8)	500	TC 8	1000	DEG	1500	2000	2500			
	(7)	500	TC 7	1000	DEG	1500	2000	2500			
	(6)	500	TC 6	1000	DEG	1500	2000	2500			
	(5)	500	TC 5	1000	DEG	1500	2000	2500			

4275 Ka





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50214

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-04574, P05-04578

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts **CONFORMS** to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1470

DATE SHIPPED 8-10-05

QUANTITY

DESCRIPTION

3 PCS

#SE120-003-1-10

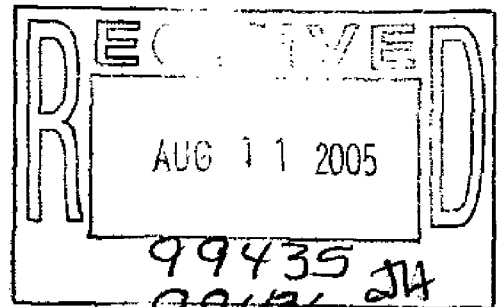
JOB #65678-29/5, 65678-9/5, 65678-9/6

SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

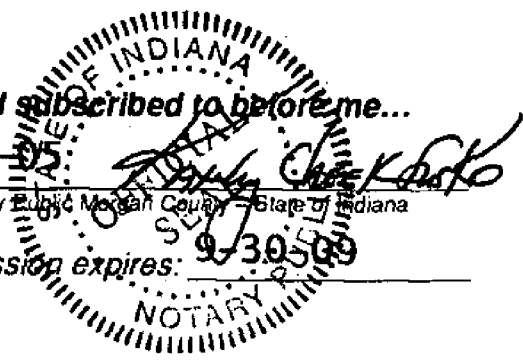
AUG 15 2005



Sworn and subscribed to before me...

on 8-10-05
Notary Public Morgan County State of Indiana

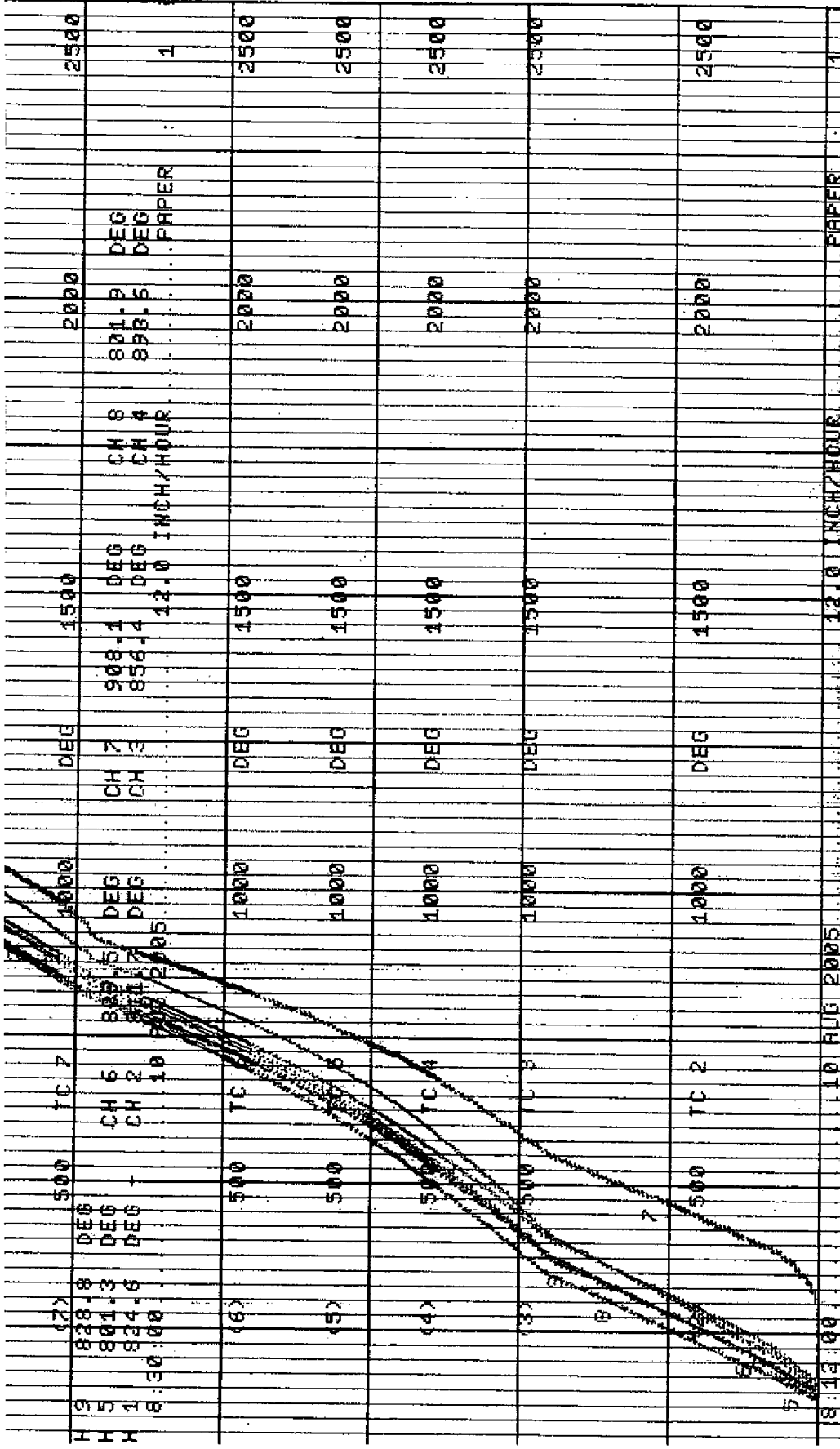
My commission expires: 9-30-09



[Signature]
(Name)

QA
(Title)

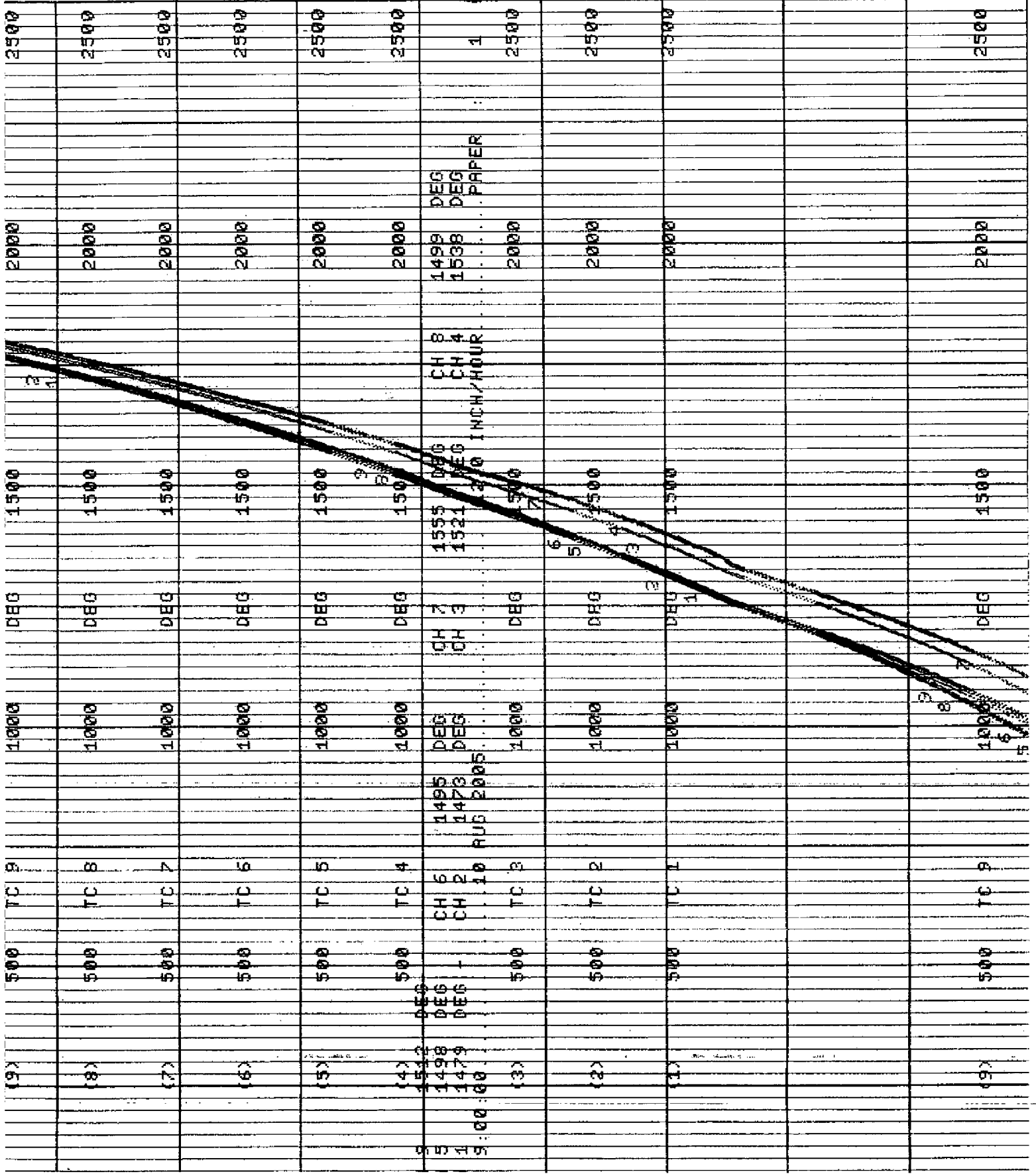
4275 Ka



8:04:00	DEG	CH 1	908.1	DEG	CH 8	801.9	2000	2500
8:05:00	DEG	CH 2	856.4	DEG	CH 4	898.5	2000	2500
8:06:00	DEG	CH 3	12.0	INCH/HOUR	PAPER			1
8:07:00	DEG	TC 1	1500				2000	2500
8:08:00	DEG	TC 2	1500				2000	2500
8:09:00	DEG	TC 3	1500				2000	2500
8:10:00	DEG	TC 4	1500				2000	2500
8:11:00	DEG	TC 5	1500				2000	2500
8:12:00	DEG	TC 6	1500				2000	2500
8:13:00	DEG	TC 7	1500				2000	2500
8:14:00	DEG	TC 8	1500				2000	2500
8:15:00	DEG	TC 9	1500				2000	2500
8:16:00	DEG	TC 10	1500				2000	2500
8:17:00	DEG	TC 11	1500				2000	2500
8:18:00	DEG	TC 12	1500				2000	2500
8:19:00	DEG	TC 13	1500				2000	2500
8:20:00	DEG	TC 14	1500				2000	2500
8:21:00	DEG	TC 15	1500				2000	2500
8:22:00	DEG	TC 16	1500				2000	2500
8:23:00	DEG	TC 17	1500				2000	2500
8:24:00	DEG	TC 18	1500				2000	2500
8:25:00	DEG	TC 19	1500				2000	2500
8:26:00	DEG	TC 20	1500				2000	2500
8:27:00	DEG	TC 21	1500				2000	2500
8:28:00	DEG	TC 22	1500				2000	2500
8:29:00	DEG	TC 23	1500				2000	2500
8:30:00	DEG	TC 24	1500				2000	2500
8:31:00	DEG	TC 25	1500				2000	2500
8:32:00	DEG	TC 26	1500				2000	2500
8:33:00	DEG	TC 27	1500				2000	2500
8:34:00	DEG	TC 28	1500				2000	2500
8:35:00	DEG	TC 29	1500				2000	2500
8:36:00	DEG	TC 30	1500				2000	2500
8:37:00	DEG	TC 31	1500				2000	2500
8:38:00	DEG	TC 32	1500				2000	2500
8:39:00	DEG	TC 33	1500				2000	2500
8:40:00	DEG	TC 34	1500				2000	2500
8:41:00	DEG	TC 35	1500				2000	2500
8:42:00	DEG	TC 36	1500				2000	2500
8:43:00	DEG	TC 37	1500				2000	2500
8:44:00	DEG	TC 38	1500				2000	2500
8:45:00	DEG	TC 39	1500				2000	2500
8:46:00	DEG	TC 40	1500				2000	2500
8:47:00	DEG	TC 41	1500				2000	2500
8:48:00	DEG	TC 42	1500				2000	2500
8:49:00	DEG	TC 43	1500				2000	2500
8:50:00	DEG	TC 44	1500				2000	2500
8:51:00	DEG	TC 45	1500				2000	2500
8:52:00	DEG	TC 46	1500				2000	2500
8:53:00	DEG	TC 47	1500				2000	2500
8:54:00	DEG	TC 48	1500				2000	2500
8:55:00	DEG	TC 49	1500				2000	2500
8:56:00	DEG	TC 50	1500				2000	2500
8:57:00	DEG	TC 51	1500				2000	2500
8:58:00	DEG	TC 52	1500				2000	2500
8:59:00	DEG	TC 53	1500				2000	2500
9:00:00	DEG	TC 54	1500				2000	2500

EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 8-10-05 COMPANY: Metal Tool
 LOAD #: 05-1470 MATERIAL: INCO 625
 QTY: 3 P/N: SE120-003-1-10
65628-2915 65628-915 65628-916
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: DPE-01 TIME START: 8:12 AM

4275 Kd



Time	Code	Rate	Category	Material	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit
10:00:00												
(9)	500	TC B	1000	DEG	1500		2000			PAPER	2500	1
(8)	500	TC B	1000	DEG	1500		2000				2500	
(7)	500	TC P	1000	DEG	1500		2000				2500	
(6)	500	TC S	1000	DEG	1500		2000				2500	
(5)	500	TC S	1000	DEG	1500		2000				2500	
(4)	500	TC A	1000	DEG	1500		2000				2500	
(3)	500	TC B	1000	DEG	1500		2000				2500	
1889	DEG	CH 6	1888	DEG	1900	DEG	1889	DEG				
1888	DEG	CH 2	1885	DEG	1895	DEG	1889	DEG				
1886	DEG	CH 2	AUG 2005	TABLETTE PRINTOUT			1889	DEG				
1875	DEG	TC 2	1000	DEG	1500		2000				2500	
(1)	500	TC 1	1000	DEG	1500		2000				2500	
1877	DEG	CH 5	1874	DEG	1887	DEG	1875	DEG				
1874	DEG	CH 2	1858	DEG	1880	DEG	1885	DEG				
1868	DEG	CH 3	AUG 2005	12.0 INCH/HOUR								
1850:00												



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50171

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-04379

Exotic Metal Treating Inc. hereby certifies that all materials used in the manufacture of parts CONFORMS to the material and/or manufacturing specifications indicated in drawings or specifications as called for on purchase order referenced hereon. Test reports are on file with us or with our suppliers for examination and indicate conformance with the applicable requirements. The parts listed below are processed in accordance with the drawings or specifications called for on referenced purchase order that are current on the date on which the order was accepted. Pertinent details of the work performed are on file at this facility under the process heat number listed hereon.

HEAT # 05-1426

DATE SHIPPED 8-4-05

QUANTITY

DESCRIPTION

3 PCS

#SE120-003-1-10

JOB #65678-10/5, 65678-30/5, 65678-10/6

SEQ #30

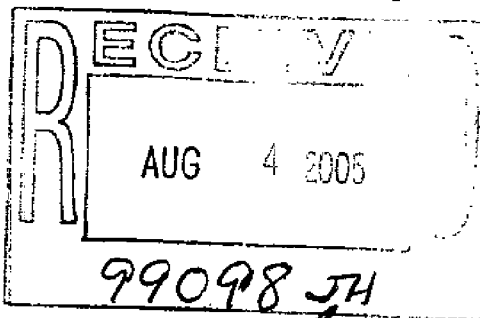
MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A

1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES

& RAPID AIR COOLED.

AUG 03 2005



AUG 04 2005



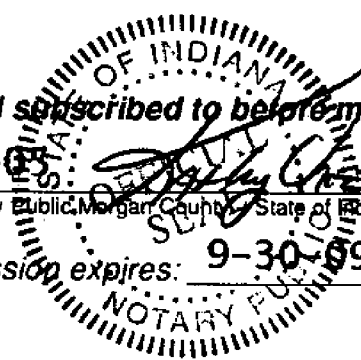
Sworn and subscribed to before me...

on 8-4-05
Notary Public, Morgan County, State of Indiana

My commission expires: 9-30-09

[Signature]
(Name)

[Signature]
(Title)



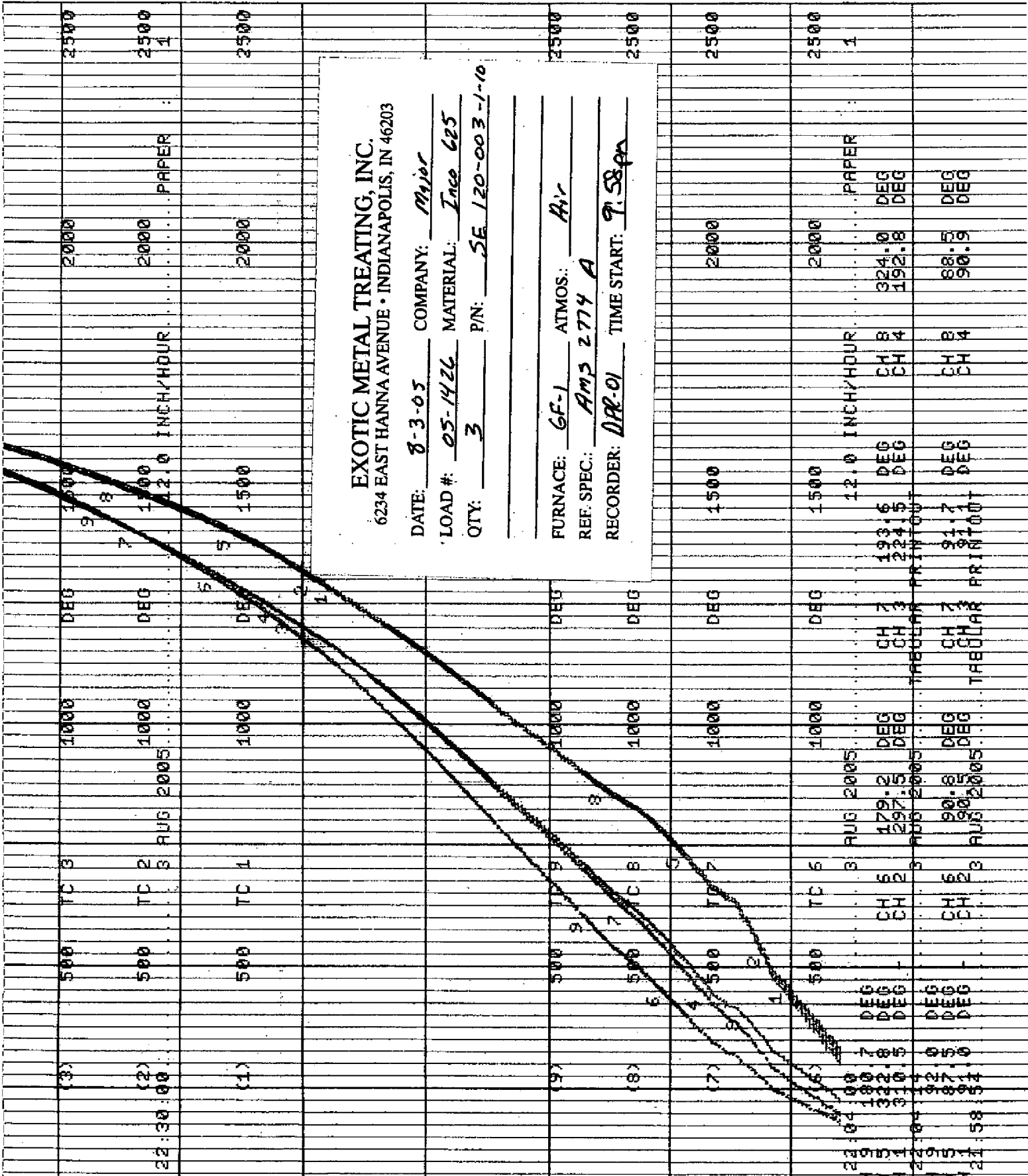
42/5 KA

EXOTIC METAL TREATING, INC.

6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 8-3-05 COMPANY: Major
 LOAD #: 05-1426 MATERIAL: Inco 625
 QTY: 3 P/N: SE 120-003-1-10

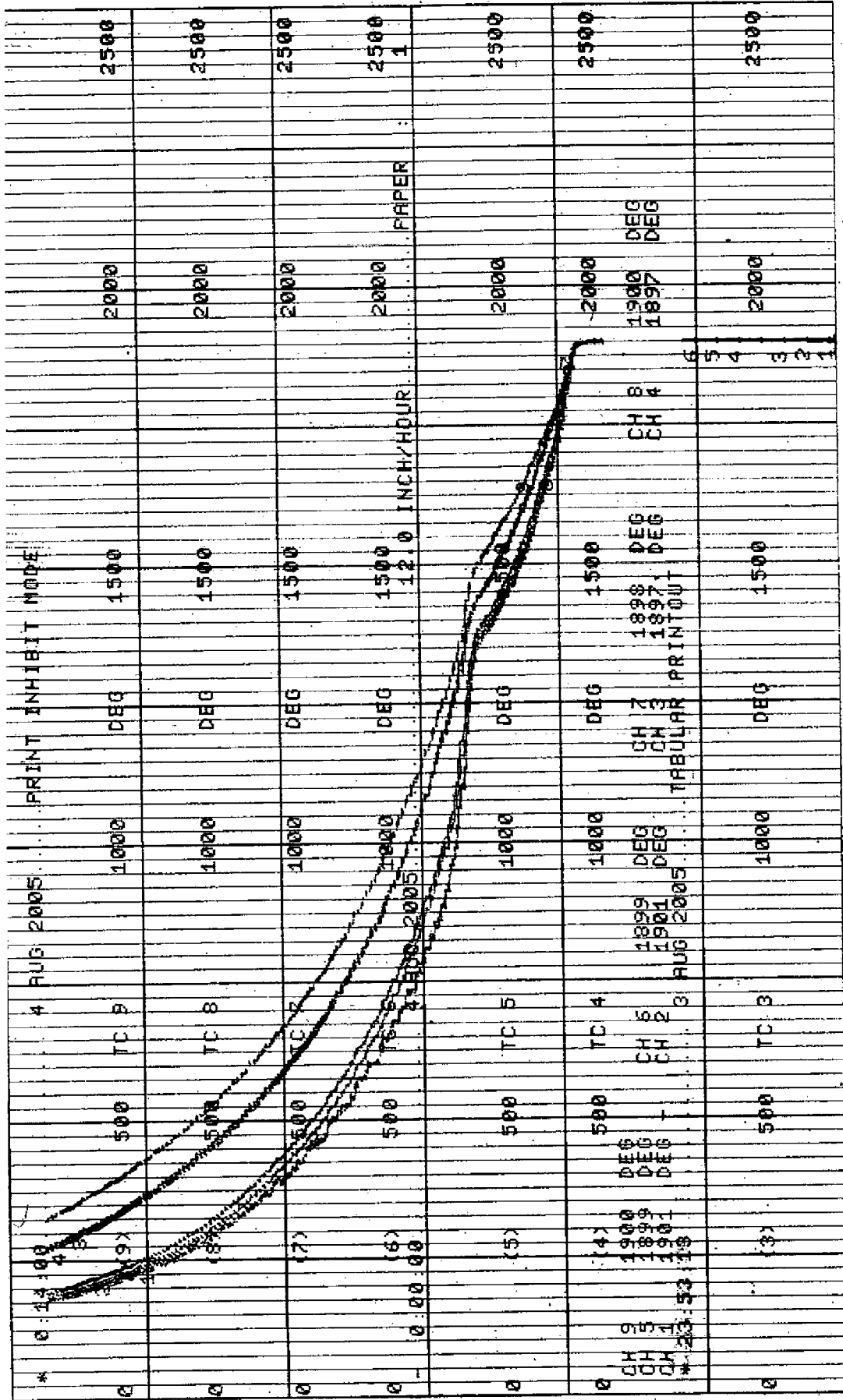
FURNACE: 6F-1 ATMOS.: Air
 REF. SPEC.: AMS 2774 A
 RECORDER: DPR-01 TIME START: 9:58 pm



Time	TC	CH	Temp (F)	Temp (C)	Material
23:04:00	TC 3	CH 3	193.6	90.3	PAPER
23:04:00	TC 2	CH 2	224.5	107.5	PAPER
23:04:00	TC 1	CH 1	324.0	162.2	PAPER
23:04:00	TC 3	CH 3	192.8	89.3	PAPER
23:04:00	TC 2	CH 2	324.0	162.2	PAPER
23:04:00	TC 1	CH 1	324.0	162.2	PAPER

4275 K4

0	(2)	500	TC 2	1000	DEG	1500	2000	2500
0	(1)	500	TC 1	1000	DEG	1500	2000	2500
0	(9)	500	TC 9	1000	DEG	1500	2000	2500
0	- 23:30:00		3 AUG 2005			12.0 INCH/HOUR	PAPER	1
0	(8)	500	TC 8	1000	DEG	1500	2000	2500
0	(7)	500	TC 7	1000	DEG	1500	2000	2500
0	(6)	500	TC 6	1000	DEG	1500	2000	2500
0	(5)	500	TC 5	1000	DEG	1500	2000	2500



ARCOS INDUSTRIES, LLC
ONE ARCOS DRIVE
Mt. Carmel, PA 17851

mc094944.pdf



DATE 11/26/03

CERTIFICATION OF TESTS

SOLD TO: MAJOR TOOL & MACHINE, INC.
 1458 EAST 19TH STREET
 INDIANAPOLIS, IN 46218

SHIP TO: SAME

ARCOS S.O.		CUSTOMER ORDER NO.		CONSIGNEE ORDER NO.		DATE SHIPPED	
79388		P03-04749		N/A		11/26/03	
ITEM	SIZE	GRADE		LOT NO./ALLOY NO.		QUANTITY	
1	1/16 X 36"	ARCOS 625		AB8051		30#	

SPECIFICATION: AWS A5.14/A5.14M-97. CLASS ERNiCrMo-3
 ASME SFA 5.14 ASME SECTION II, PART C, 2001 EDITION.
 AND ALL PARAS AND ADDENDA THRU 2002.

CHEMICAL ANALYSIS:		WIRE							
C	Mn	Si	S	P	Cr	Ni	Mo	Cb	Cb + Ta
0.02	0.01	0.06	0.001	0.01	22.2	64.3	9.1		3.56
Ta	Ti	Al	Co	Cu	Fe	V	Total Others		
	0.22	0.12	0.03	0.01	0.4		<.50		

ADDITIONAL TEST RESULTS			TENSILE		As Welded	Heat Treated
Ferrite - NB2433.1-1:	_____	_____	Yield	_____	_____	_____
Magna Gage:	_____	_____	Tensile	_____	_____	_____
X-Ray:	_____	_____	Elongation	_____	_____	_____
Bends:	_____	_____	Red. of Area	_____	_____	_____
Hardness:	_____	_____				

OTHER INFORMATION:
 LOT CLASSIFICATION - S1
 INTENSITY OF TESTING - Schedule F

THIS MATERIAL IS FREE FROM MERCURY, RADIUM OR ALPHA PARTICLE CONTAMINATION.

We hereby affirm that the reported results on this certification are correct and accurate. All test and results and operations performed by Arcos or its subcontractors are in compliance with the applicable material/customer specification.

ARCOS

Eileen Zerby Q.A. CLERK
 QUALITY ASSURANCE DEPARTMENT

81505
 Line 1
 R. 7

12/5/03

ARCOS INDUSTRIES, LLC
ONE ARCOS DRIVE
Mt. Carmel, PA 17851

mc095629.pdf



DATE 01/13/04

CERTIFICATION OF TESTS

SOLD TO: MAJOR TOOL & MACHINE, INC.
 1458 EAST 19TH STREET
 INDIANAPOLIS, IN 46218

SHIP TO: SAME

ARCOS S.O.	CUSTOMER ORDER NO.	CONSIGNEE ORDER NO.	DATE SHIPPED
79698	P04-00127	N/A	1/13/04
ITEM	SIZE	GRADE	LOT NO./ALLOY NO.
1	3/32 X 36"	ARCOS 625	CB7996
QUANTITY			
20#			

SPECIFICATION: AWS A5.14/A5.14M-97. CLASS ERNiCrMo-3
 ASME SFA 5.14 ASME SECTION II, PART C, 2001 EDITION,
 AND ALL PARAS AND ADDENDA THRU 2003.

CHEMICAL ANALYSIS:									
WIRE									
C	Mn	Si	S	P	Cr	Ni	Mo	Cb	Cb + Ta
0.04	0.03	0.08	0.004	0.01	21.9	64.9	8.7		3.64
Ta	Ti	Al	Co	Cu	Fe	V	Total Others		
	0.21	0.16	0.02	0.12	0.2		< .50		

ADDITIONAL TEST RESULTS	TENSILE	As Welded	Heat Treated
Ferrite - NB2433.1-1: _____	Yield	_____	_____
Magna Gage: _____	Tensile	_____	_____
X-Ray: _____	Elongation	_____	_____
Bends: _____	Red. of Area	_____	_____
Hardness: _____			

OTHER INFORMATION:

LOT CLASSIFICATION - S1
 INTENSITY OF TESTING - Schedule F

82372
 1/13/04
 Line 1
B.J.

THIS MATERIAL IS FREE FROM MERCURY, RADIUM OR ALPHA PARTICLE CONTAMINATION.

We hereby affirm that the reported results on this certification are correct and accurate. All test and results and operations performed by Arcos or its subcontractors are in compliance with the applicable material/customer specification.

ARCOS

1/29/04

M.H.
 Q.A. MANAGER
 QUALITY ASSURANCE DEPARTMENT

ARCOS INDUSTRIES, LLC
ONE ARCOS DRIVE
Mt. Carmel, PA 17851



DATE 01/08/04

CERTIFICATION OF TESTS

SOLD TO: MAJOR TOOL & MACHINE, INC.
 1458 EAST 19TH STREET
 INDIANAPOLIS, IN 46218

SHIP TO: SAME

ARCOS S.O.		CUSTOMER ORDER NO.		CONSIGNEE ORDER NO.		DATE SHIPPED			
79533		P03-05170		N/A		1/8/04			
ITEM	SIZE	GRADE		LOT NO./ALLOY NO.		QUANTITY			
1	3/32 X 36"	ARCOS 625		CB7996		20#			
SPECIFICATION: AWS A5.14/A5.14M-97. CLASS ERNiCrMo-3 ASME SFA 5.14 ASME SECTION II, PART C, 2001 EDITION, AND ALL PARAS AND ADDENDA THRU 2003.									
CHEMICAL ANALYSIS: WIRE									
C	Mn	Si	S	P	Cr	Ni	Mo	Cb	Cb + Ta
0.04	0.03	0.08	0.004	0.01	21.9	64.9	8.7		3.64
Ta	Ti	Al	Co	Cu	Fe	V	Total Others		
	0.21	0.16	0.02	0.12	0.2		<.50		

ADDITIONAL TEST RESULTS

Ferrite - NB2433.1-1: _____
 Magna Gage: _____
 X-Ray: _____
 Bends: _____
 Hardness: _____

TENSILE As Welded Heat Treated

Yield _____
 Tensile _____
 Elongation _____
 Red. of Area _____

OTHER INFORMATION:

LOT CLASSIFICATION - S1
 INTENSITY OF TESTING - Schedule F

THIS MATERIAL IS FREE FROM MERCURY, RADIUM OR ALPHA PARTICLE CONTAMINATION.

We hereby affirm that the reported results on this certification are correct and accurate. All test and results and operations performed by Arcos or its subcontractors are in compliance with the applicable material/customer specification.

ARCOS

Eileen Zerby Q.A. CLERK
QUALITY ASSURANCE DEPARTMENT

MTM 016
 1-23-04

JAN 14 2004
 82255
 line 2