

PRINCETON PLASMA PHYSICS LAB

Purchase Order Number:

S005243-F

Part Number:

VVSA PANELS

Part Name:

VVSA FORMED PANELS
FOR LOT 1 NCSX WSA

MTM Work Order Number:

65678/4.0



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: TRACE ID: 119891 / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107682.TIF / 2650 5 6804
3	31	10	10	Material Certification: TRACE ID: 119901 / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107674.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: TRACE ID: 119892 / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107681.TIF / 2650 5 6804
5	32	10	10	Material Certification: TRACE ID: 119907 / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107668.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: TRACE ID: 119890 / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107683.TIF / 2650 5 6804
7	33	10	10	Material Certification: TRACE ID: 119902 / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107673.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: TRACE ID: 119893 / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107680.TIF / 2650 5 6804
9	34	10	10	Material Certification: TRACE ID: 119903 / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107672.TIF / 2650 5 6804

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: TRACE ID: 119886 / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107687.TIF / 2650 5 6804
11	35	10	10	Material Certification: TRACE ID: 119906 / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107669.TIF / 2650 5 6804

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: TRACE ID: 119900 / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107675.TIF / 2650 5 6804
13	36	10	10	Material Certification: / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107959.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: TRACE ID: 119888 / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107685.TIF /



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

2650 5 6804

15	37	10	10	Material Certification: TRACE ID: 119905 / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107670.TIF / 2650 5 6804
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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: TRACE ID: 119889 / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107684.TIF / 2650 5 6804
17	38	10	10	Material Certification: TRACE ID: 119899 / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107676.TIF / 2650 5 6804

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: TRACE ID: 119895 / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107678.TIF / 2650 5 6804
19	39	10	10	Material Certification: TRACE ID: 119896 / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107677.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: TRACE ID: 119887 / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107686.TIF / 2650 5 6804
21	40	10	10	Material Certification: TRACE ID: 119904 / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107671.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		Certification: H/T CERTIFICATE - mc109803.tif
23	1	30		Furnace charts: FURNACE CHART - Same as Item #22
24	21	30		Furnace charts: FURNACE CHART - Same as Item #22
25	21	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
26	2	30		Certification: H/T CERTIFICATE - mc110118.tif
27	2	30		Furnace charts: FURNACE CHART - Same as Item #26
28	22	30		Certification: H/T CERTIFICATE - mc110114.tif
29	22	30		Furnace charts: FURNACE CHART - Same as Item #28

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
30	3	30		Furnace charts: FURNACE CHART - mc109165.tif
31	3	30		Certification: H/T CERTIFICATE - Same as Item #30
32	23	30		Furnace charts: FURNACE CHART - Same as Item #30
33	23	30		Certification: H/T CERTIFICATE - Same as Item #30

SE120-003-1-4 - PANEL SEGMENT #4 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
34	4	30		Furnace charts: FURNACE CHART - mc109166.tif
35	4	30		Certification: H/T CERTIFICATE - Same as Item #34
36	24	30		Furnace charts: FURNACE CHART - mc109167.tif
37	24	30		Certification: H/T CERTIFICATE - Same as Item #36

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
38	5	30		Furnace charts: FURNACE CHART - mc109436.tif
39	5	30		Certification: H/T CERTIFICATE - Same as Item #38
40	5	70		Furnace charts: FURNACE CHART - mc109802.tif
41	5	70		Certification: H/T CERTIFICATE - Same as Item #40
42	25	30		Furnace charts: FURNACE CHART - mc109437.tif
43	25	30		Certification: H/T CERTIFICATE - Same as Item #42

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
44	6	30		Furnace charts: FURNACE CHART - mc110532.tif
45	6	30		Certification: H/T CERTIFICATE - Same as Item #44
46	26	30		Certification: H/T CERTIFICATE - mc110533.tif
47	26	30		Furnace charts: FURNACE CHART - Same as Item #46

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
48	7	30		Certification: H/T CERTIFICATE - mc110559.tif
49	7	30		Furnace charts: FURNACE CHART - mc110722.tif
50	7	30		Furnace charts: FURNACE CHART - mc110384.tif
51	7	30		Certification: H/T CERTIFICATE - Same as Item #49
52	7	30		Furnace charts: FURNACE CHART - Same as Item #48
53	7	30		Furnace charts: FURNACE CHART - Same as Item #49
54	7	30		Certification: H/T CERTIFICATE - Same as Item #50
55	7	30		Certification: H/T CERTIFICATE - Same as Item #49
56	27	30		Furnace charts: FURNACE CHART - mc109062.tif
57	27	30		Certification: H/T CERTIFICATE - Same as Item #56

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
58	8	30		Furnace charts: FURNACE CHART - mc110112.tif
59	8	30		Certification: H/T CERTIFICATE - Same as Item #58
60	28	30		Furnace charts: FURNACE CHART - mc110113.tif
61	28	30		Certification: H/T CERTIFICATE - Same as Item #60

SE120-003-1-9 - PANEL SEGMENT #9 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
62	9	30		Furnace charts: FURNACE CHART - mc109198.tif
63	9	30		Certification: H/T CERTIFICATE - Same as Item #62
64	29	30		Furnace charts: FURNACE CHART - mc109199.tif
65	29	30		Certification: H/T CERTIFICATE - Same as Item #64

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
66	10	30		Furnace charts: FURNACE CHART - mc110539.tif
67	10	30		Certification: H/T CERTIFICATE - Same as Item #66
68	30	30		Certification: H/T CERTIFICATE - mc109061.tif
69	30	30		Furnace charts: FURNACE CHART - Same as Item #68

WELD WIRE

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
70	0	10	40	Material Certification: Trace ID: 95568 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - mc095629.pdf / CB7996
71	0	10	40	Material Certification: TRACE ID: 95372 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095872.TIF / CB7996
72	0	10	40	Material Certification: TRACE ID: 95568 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095629.TIF / CB7996
73	0	10	50	Material Certification: Trace ID: 94240 / INCONEL625_062_GTAW - WELD WIRE/GTAW, .062 DIA - mc094944.pdf / AB8051
74	0	10	50	Material Certification: TRACE ID: 94240 / INCONEL625_062_GTAW - WELD WIRE/GTAW, .062 DIA - MC094944.TIF / AB8051

CERTIFICATE OF CONFORMANCE

TO: PRINCETON PLASMA PHYSICS LAB

DATE: 05/01/2006

ATTENTION: Receiving Department

Seller certifies that:

Part Number: VVSA PANELS

Purchase Order: S005243-F

Part Name: VVSA FORMED PANELS

Workorder: 65678/4.0

Part Serial Number: N/A

Quantity: 20

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.
 - 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 LOT 1 NCSX WSA MANUFACTURED PER P.O. REQUIREMENTS.
HEAT TREAT PERFORMED PER PS483 Rev: H

Signature: B.K. Upchurch

Title: Inspector

Date: 5-1-06

CUSTOMER COPY

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

HAYNES
International

Produkt 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 435100002-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestellidatien P05-00965	Report No. Rapport No. Zeugnis Nr 20050419049	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 • Bestellings MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
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Quantity Ordered Quantité Commandée Bestellemenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
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ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Caste Charge Nr 2650 5 6804	Chemical Analysis • Analyse Chimique • Chemische Analyse										W						
	Al	B	C	Cr	Co	Cu	Fe	Mn	Mo	Ni		P	S	Si	Ti	V	BUTT END *01
			0.026		0.1642	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			
OK(Nb) 3.4734	Ta <0.05	Zr	Bi	Se	La	Cu-CAN	Pb	Mg	Y	Ag	N	Ca	Al-Ti	Ni-Mo			BUTT END *01

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

Amanda Aguirre

4/19/2005

APR 27 2005
95620
line 3-1

MTM 09

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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 • WERKZEUGNIS

Invoice No Rechnungs Nr 435100002-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050419049	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Ship To • Client • Bestellaranschrift 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, 00c1, 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%	0.2% Yield Lim. Elast. A 0.2%	%RA	%Elong in % Allong EN
71500 PSI	1% Stricdgrenz	0.2% Stricdgrenz	%RA	% Dehnung
				46 %

135000 PSI

(1)(A)

4/19/2005

(1) 2742656801

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre

Certification Technician

Amanda Aguirre

4/21/05
MTC 09

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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 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		Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Invoice No No. De Facture Rechnungs Nr 435100002-0	Date Entered Date de Commande Bestelldatum 03/06/05	Report No. Rapport No. Zeugnis Nr. 20050419049
Customer Reference Référence Client Kundenbestellidaten P05-00965	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
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 • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		
Annealed Hardness Dureté Recuit Geplücht Härte 99 HRB	Grain Size Grosneur Dc Grain Korngrösse ALA 7	IGA Attack Depth P&W Figure Number
Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosneur Dc Grain Korngrösse ALA 7	IGA Attack Depth P&W Figure Number
Creep Rupture	Charpy Impact Test	Oxidation Rate
Hours Heures Stunden	Stress Contrainte Spannung PSI	Test Essai Versuch Temp.
% Elong in % Along EN % Dehnung	Toughness Toughness Fl. Lbs. Fl. Lbs.	Corrosion Corrosion MPY
% Elong @ 15 Yrs	Toughness Toughness Fl. Lbs. Fl. Lbs.	Uniformity

4/19/2005 (1) 2742650801

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

Amanda Aguirre

4/21/05
NADCAP

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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 No. De Facture Rechnung Nr 435100002-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestelldaten P05-00965	Report No Rapport No Zeugnis Nr 20050419049	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 • 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

4/19/2005

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

Amanda Aguirre

4/19/05
90
NADCAP

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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. No. De Facture Rechnungs-Nr 435100003-0	Report No. Rapport No. Zeugnis-Nr 20050419077
Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnummern P05-00965
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
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Specification • Spécification • 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											W	BUTT END *01				
	Al	B	C	Ca	Cr	Cu	Fe	Mn	Mo	Ni	P			Si	TI	V	
2650 5 6804	0.21		0.026	3.48	0.1642	21.71	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			
2650 5 6804	3.4734	<0.05															BUTT END *01

4/19/2005

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

Amanda Aguirre

APR 27 2005
95637
LH-3

MTM 09
4/21/05

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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 435100003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestelldaten POS-00965	Report No. Rapport No. Zeugnis Nr 20050419077	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

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
--	--

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	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
135000 PSI	71500 PSI	46 %	(1)(A)	

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

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

4/19/2005 (1) 2742656801

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

Amanda Aguirre

NTM 09
4/21/05

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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 435100003-0		Customer Reference Référence Client Kundenbestellidatien P05-00965		Report No. Rapports No Zeigerte Nr 20050419077		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		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 Recuit Geglüht Härte		Grain Size Grosssear De Grain Korngrösse		IGA		Corrosion Rate	
99 HRB		(1)(A) 7		Attack Depth		Corrosion MPY	
Charpy Impact Test		Creep Rupture		Oxidation Rate			
Toughness Avg Fl. Lbs.		Toughness 1 Fl. Lbs.		Toughness 2 Fl. Lbs.		Toughness 3 Fl. Lbs.	
Test Essai Versuch Temp.		Stress Contrainte Spannung PSI		Hours Heures Stunden		% Elong In % Allong EN % Deform	
Test Essai Versuch Temp.		Stress Contrainte Spannung PSI		Hours Heures Stunden		% Elong @ 15 Fts	

(1) 2742656801

4/19/2005

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

Amanda Aguirre



4/21/05

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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 Rechnung Nr. 435100003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestellnummer P05-40965	Report No. Rapport No. Zeugnis Nr. 20050419077	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 • Bestelldenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		
Specification • Spécification 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

4/19/2005

Amanda Aguirre

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4/27/05

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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 CERTIFIE • WERKSZEUGNIS

Report No.
Rapport No
Zeugnis Nr
20050419043

Customer Reference
Référence Client
Kundenbestelldaten
P05-00967

Date Entered
Bestelldatum
03/06/05

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

Sold To • Client • Bestellanzuschrift
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										W				
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P		S	Si	Ti	V
2650 5 6804	0.21		0.026	21.75	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764		BUTT END *01
2650 5 6804	3.4734	<0.05													BUTT END *01

4/19/2005

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Certification Technician

Amanda Aguirre

APR 27 2005
95627
Line 2 B.I.

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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 Rechnungs Nr 435388002-0	Date Entered Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050419043	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
Ship To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinaire • Bestelldenge 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
--	--

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch		Tensile Test at Elevated Temperature • Essai De Traction A Hic. Temp.		Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch	
Ultrasonic 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	% Elong In % Allong EN % Dehnung	Hours Heures Staudung
135000 PSI	71500 PSI	46 %	(1)(A)		

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Certification Technician

Amanda Aguirre

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Product Description • Description Produkt • 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		Report No. Zengnis Nr. 20050419043	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Invoice No. Rechnungs Nr. 435388002-0	Date Entered Date De Commande 03/06/05	Customer Reference Références Client Kundenbestellnr. P05-00967	Ship To • Destinataire • Bestelldatung MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA
Sold To • Klient • Bestellantrag 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 Vieilli Gealtert Härte	Grain Size Grosser De Grain Körngroesse	IGA	Oxidation Rate
99 HRB	Grain Size Grosser De Grain Körngroesse Predominant Grain Size Grain Size 7 Utricity Grain % ALA	Corrosion MPY	Corrosion Rate
		Charpy Impact Test Toughness Avg 1 R. Lbs. F. Lbs. Toughness 2 R. Lbs. F. Lbs. Toughness 3 R. Lbs. F. Lbs.	Creep Rupture Stress Compressive Spannung PSI Test Essai Versuch Temp. Hours Heures Stunden % Elong In % Along EN % Dilation

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4/19/2005

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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 Rechnung Nr 435388002-0	Customer Reference Kundenbestelldatum P05-00967
Date Entered Date De Commande Bestelldatum 03/06/05	Report No Rapport No Zeugnis Nr 20050419043
Sold To • Client • Bestellanenschrift 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 Bestelmenge 1 PC
Quantity Shipped Quantité Expédiée Liefermenge 1 PC	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4

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Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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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. Rechnungs-Nr. 435388003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No. Zeugnis Nr. 20050419081	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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
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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
--	--	--

Heat Number Numero De Coque Charge Nr. 2650 5 6804	Chemical Analysis • Analyse Chimique • Chemische Analyse														W	BUTT END *01	
	Al	B	C	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V			
			0.026	3.48	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764		
2650 5 6804	3.4734	<0.05															

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

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APR 27 2005
95643
Line 3 BA -

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Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No. Rechnungs Nr. 435388003-0	Date Entered Date De Commande 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No. Zeugnis Nr. 20050419081	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellschrift 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
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Specification • 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
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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.	
Ultimate Zugfestigkeit	% Elong % Dehnung	Ultimate Zugfestigkeit	% Elong % Dehnung
71500 PSI	46 %		
135000 PSI			

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

Amanda Aguirre

4/19/2005 (1) 2742656801

MTN 09
4/17/05

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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 • WERKSZELUIGNIS			Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Customer Reference Référence Client Kundenbezeichnungen POS-00967		Report No. Rapport No. Zeugnis Nr. 20050419081	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
Ship 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	Quantity Ordered Quantité Commandée Bestellmenge 1 PC
Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		IGA	Corrosion Rate Oxidation Rate
Annealed Hardness Dureté Vieilli Gealterte Härte	Grain Size Grosser De Grain Korngröße		Corrosion MPY
	Grain Size Prodominal Grain Size	Liberty Grain %	
99 HRB	(1)(A)	7	MPY
Charpy Impact Test			Creep Rupture
Toughness Avg P. Lbs.	Toughness 1 P. Lbs.	Toughness 2 P. Lbs.	
Z&W Figure Number			Hours Heures Stunden
ALN			
Aged Hardness			% Elong @ 15 Tst
Dureté Recuit			
Grain Size			Temp
Grain Size			

4/19/2005 (1) 2742656801

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

Amanda Aguirre

WITH 4/19/05

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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 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. 435388003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No. Zeugnis Nr. 20050419081	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 • Bestelldenge 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

4/19/2005

MTM 09
4/27/05

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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,S1000E, EN 10204 3.1.B, AS9100

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

Report No.
Rapport No
Zeugnis Nr
20050419048

Customer Reference
Reference Client
Kundenbestelldaten
P05-00994

Date Entered
Date De Commande
Benedatium
03/06/05

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
Quantite Commandee
Bestellmenge
1 PC

Quantity Shipped
Quantite Expediee
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 Calce Charge Nr	Al	B	C	Cr-Ti (Nb-Ti)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804	0.21		0.026	3.48	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			
2650 5 6804	3.4734	<0.05																BUTT END *01

4/19/2005

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Certification Technician

Amanda Aguirre

APR 27 2005
95619
Line 2 p. 2

MTM 09 -117105

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Product Description • Description Produit • Material Bezeichnung

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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

Invoice No Rechnung Nr 435389002-0	Date Entered Date De Commande 03/06/05	Customer Reference Kundenbestellblättern P05-00994	Report No. Rapport Nr Zeugnis Nr 20050419048	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Ship To • Client • Bestellanrschrift 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 Expeditee
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.	
Ultimate Zugfestigkeit	% Elong In % Allong EN % Dehnung	Ultimate Zugfestigkeit	% Elong In % Allong EN % Dehnung
135000 PSI	46 %		
71500 PSI			
(1)(A)			

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

Amanda Aguirre

4/19/2005

(1) 2742656801

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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,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

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

Report No.
Rapport No
Zeugnis Nr
20050419048

Customer Reference
Référence Client
Kundenbestelldaten
P05-00994

Date Entered
Date de Commande
Bestelldatum
03/06/05

Invoice No
No. De Facture
Rechnungs Nr
435389002-0

Ship To • Destinataire • Bestelldatung
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

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 Recuit Gehterht Haerte	Aged Hardness Dureté Vieilli Gealtert Haerte	Grain Size Grossur Gr. Grain Korngrösse		IGA	Corrosion Rate Corrosion	Charpy Impact Test			Creep Rupture								
		Grain Size Grossur Gr. Grain Korngrösse	Grain Size Grossur Gr. Grain Korngrösse			Toughness Avg Ft. Lbs.	Toughness 1 Ft. Lbs.	Toughness 2 Ft. Lbs.	Toughness 3 Ft. Lbs.	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong in % Along EN % Dehnung	% Elong @ 15 Hrs			
99 HRB	(1)(A)	7			MPY												

(1) 2742656801

4/19/2005

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Certification Technician

Amanda Aguirre

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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 CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnung Nr 435389002-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundebestelldatum P05-00994	Report No. Rapport No. Zeugnis Nr. 20050419048	Pages of Pages Pages de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestelleranschrift 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: 2742656801 (1 PC)
(A) 1750 of: to 1950 of:

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Certification Technician

4/19/2005

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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,S1000E, EN 10204 3.1.B, AS9100

Invoice No Rechnungs Nr 435389003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Référence Client Kundenbestelldaten P05-00994	Report No Rapport No Zeugnis Nr 20050419076	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
---	---

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

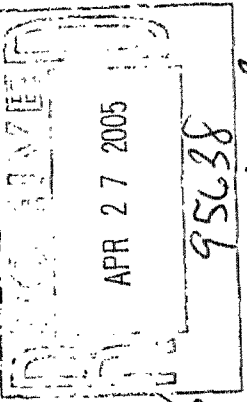
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Coche Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse															
	Al	B	C	Cr	Co	Cu	Fe	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804 0.21			0.026	3.48	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764	
2650 5 6804 3.4734																

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Certification Technician

Amanda Aguirre

4/19/2005



Line 3 B/A

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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,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr 435389003-0	Date Entered Date De Commande Berechnung Nr 03/06/05	Customer Reference Référence Client Kundenbestellidatzen P05-00994	Report No. Rapport No Zeugnis Nr 20050419076	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
--	---	---	---	--

Sold To • Client • Bestellianschrift
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 Bestellemenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
---	--

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

Specification • Spzifikation

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
135000 PSI	71500 PSI	46 %	(1)(A)		

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

Test Essai Versuch	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
Temp.						

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

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

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

Amanda Aguirre

4/19/2005 (1) 2742656801

HTM 09
4/27/05

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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 CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr. 435389003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No. Zeugnis Nr. 20050419076	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Ship To • Client • Bestellanschrift 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 • Spécification		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		Uniformity	Corrosion Rate	Oxidation Rate

Annealed Hardness Dureté Recuit Gegüßte Härte	Grain Size Grosser De Grain Korngrösse	IGA	P&W Figure Number	ALN	Grain Size Proportionat Grain Size	Inertness Grain %	Toughness Avg Fl. Lbs.	Toughness 1 Fl. Lbs.	Toughness 2 Fl. Lbs.	Toughness 3 Fl. Lbs.	Test Essai Versuch Temp.	Stress Constraine Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 lbs
99 HRB	(1)(A) 7														

4/19/2005 (1) 2742656801

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

Amanda Aguirre



4/17/05

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 Nadcap CERTIFICATE NUMBER 0089
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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435389003-0	Date Entered Date De Commande Bestelldatum 03/06/05
Customer Reference Reference Client Kundenbestellkizellen P05-00994	Report No. Rapport No. Zeugnis Nr. 20050419076
Sold To • Client • Bestellanrschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestelldenge 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 Bestelldmenge 1 PC
Quantity Shipped Quantite Expeditee 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: 2742656801 (1 PC)
 (A) 1750 °F to 1950 °F

4/19/2005

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

Amanda Aguirre

4/21/05
 (Circular stamp with initials)

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Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Customer Reference
Reference Client
Kundenbestelldaten
P05-00996

Date Entered
Date De Commande
Bestelldatum
03/07/05

Invoice No
No. De Facture
Rechnungs Nr
435391002-0

Report No.
Rapport No
Zeugnis Nr
20050419050

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

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 • Spécification • Spezifikation

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

Heat Number Numero De Coque Charge Nr	Al	B	C	Cu	Cr	Ni	Chemical Analysis • Analyse Chimique • Chemische Analyse																			
							P	S	Ti	V	W	Fe	Mn	Mo	Ni	Mo	N	Ca	Al+Ti	Ni+Mo	BUTT END *01					
2650 5 6804	0.21		0.026	0.0705	21.71	60.41	0.006	0.003	0.2764																	
2650 5 6804	3.4734	<0.05																								

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

Amanda Aguirre

APR 27 2005
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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 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 Rechnungs Nr 435391002-0	Date Entered Bestelldatum 03/07/05
Customer Reference Kundenbestelldaten P05-00996	Report No. Zeugnis Nr 20050419050
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 Quantité Commandée Bestellemenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
---	--

Sold To • Client • Bestelltranschrift	
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	

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.	
Ultimate Zugfestigkeit 135000 PSI	% Elong in % Allong EN % Dehnung 46 %
0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	%RA
1% Yield Lim. Elast. A 1% 1% Streckgrenze	%RA
(1)(A)	

Tensile Test at Elevated Temperature • Essai De Traction A Hte. Temp. Warm Zugversuch	
Ultimate Zugfestigkeit	% Elong in % Allong EN % Dehnung
0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	%RA
1% Yield Lim. Elast. A 1% 1% Streckgrenze	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch	
Yield Essai Veruch Temp	Hours Heures Stunden
% Elong in % Allong EN % Dehnung	% RA

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Certification Technician

Amanda Aguirre

(1) 2742656801

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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 435391002-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Référence Client Kundenbestelldaten P05-00996	Report No. Rapport No. Zeugnis Nr 20050419050	Pages of Pages Pages 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 • 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 Recuit Gehtert Härte	Aged Hardness Dureté Vieilli Gehtert Härte	Grain Size Grosser De Grain Korngrösse		IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test		Creep Rupture												
		Grain Size Prodomant Grain Size	Recy Grain					Ultracy Grain %	ALA	P&W Figure Number	AWKX Depth	Corrosion	Test Method	Toughness Avg	Toughness V2	Toughness 3	Test Essai Versch Temp	Stress Constrative Spannung	Hours Hours Stunden	% Elong @ 15 Psi	% Elong @ 15 Psi	% Elong @ 15 Psi
99 HRB	(1)(A) 7																					

(1) 2742656801

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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 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. 435391002-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbezeichnung P05-00996	Report No. Rapport No. Zeugnis Nr. 20050419050	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestellanwieschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestelldmenge 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	

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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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Kokomo, Indiana, 46902

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Product Description • Description Produit • Material Beschreibung

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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 Rechnungs Nr 435391003-0	Date Entered Date De Commande 03/07/05	Customer Reference Référence Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050419075	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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
---	---	--	--

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

Specification • Spécification • Spezifikation

Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Coque Charge Nr	Al	B	C	Ca	Co	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804	0.21		0.026	3.48	0.1642	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.34	0.2764			
2650 5 6804	3.4734																

4/19/2005

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

Amanda Aguirre

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95639

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 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. 435391003-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No. Zeugnis Nr. 20030419075	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 • 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 Recuit Gehtert Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grossur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate Corrosion	Oxidation Rate	Charpy Impact Test				Creep Rupture						
		Grain Size Grossur De Grain Korngrösse	Library Recpt. Grain Grain %					ALN Figure Number	PAW Figure Number	Annct Depth	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung
99 HRB	(1)(A)	7				MPY												

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 Certification Technician

Amanda Aguirre

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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. Rechnungs Nr. 435391003-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Referenc Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050419075	Pages of Pages Page de Pages Anzahl der Seiten 4 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

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

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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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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

Invoice No Rechnungs Nr 435564002-0	Date Entered Date De Commande 03/08/05	Customer Reference Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050419045	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
---	--	---	---	--

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

Quantity Ordered
Quantite Commandee
Bestelldmenge
1 PC

Quantity Shipped
Quantite Expedite
Liefermenge
1 PC

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

Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Charge Charge Nr	Al	B	C	Co	Cu	Cr	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804	0.21		0.026	0.1642	0.0705	21.71	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			
2650 5 6804	3.4734	<0.05															BUTT END *01

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Certification Technician

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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 Rechnung Nr. 435564002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050419045	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
Ship To • Client • Bestellanschrift 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
Quantité Commandée
Bestellemenge
1 PC

Quantity Shipped
Quantité Expédiée
Liefermenge
1 PC

Specification • Specification
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	
Ultimate Zugfestigkeit	% Yield Lim. Elast. A 0.2% 1% Streckgrenze	Ultimate Zugfestigkeit	% Yield Lim. Elast. A 0.2% 1% Streckgrenze
135000 PSI	71500 PSI 46 %		
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	
% Elong In % Allong EN % Dehnung 46 %		% Elong In % Allong EN % Dehnung	
%RA %RA		%RA %RA	

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Certification Technician
(1) 2742656801
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Amanda Aguirre

4/19/05
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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 Rechnung Nr 435564002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050419045	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 • Bestimmung
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Specification • Spécification	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

Annealed Hardness Dureté Recuit Ergebnis Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosneur De Grain Korngrösse		IGA	Uniformity	Corrosion Rate Corrosion	Oxidation Rate	Charpy Impact Test			Creep Rupture						
		Grain Size Grosneur De Grain Korngrösse	Uniformity					Corrosion Rate Corrosion	Oxidation Rate	Toughness Ave	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch Temp	Stress Contrainte Spannung PSI	Hours Heures Stunden	% Elong @ 15 Hrs
99 HRB	(1)(A)	7				MPY											

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

Amanda Aguirre

4/19/2005 (1) 2742656801

4/17/05
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 PO Box 9013
 Kokomo, Indiana, 46902

HAYNES
International

Product Description • 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

Invoice No No. De Facture Rechnung Nr 435564002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference References Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050419045	Pages of Pages Page de Pages Anzahl der Seiten 4 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
--	--	--

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: 2742656801 (1 PC)
 (A) 1750 °F to 1950 °F

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

Amanda Aguirre

4/19/2005

4/27/05

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

HAYNES
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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. 435564003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellidation P05-00997	Report No. Rapport No. Zeugnis Nr. 20050419083	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Sold To • Client • Bestellanzschrift 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
Bestellemenge
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

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

Specification • Spezifikation

Chemical Analysis • Analyse Chimique • Chemische Analyse

Heat Number Numero De Codes Charge Nr.	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804	0.21		0.026	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			
2650 5 6804	3.4734	<0.05	Zr	Se	La	CS0009	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *01

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

Amanda Aguirre

APR 27 2005
95642
Line 3 B7

MIN 109
4/27/05

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, AS REQUIRED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PENALIZED AS A VIOLATION OF FEDERAL STATUTES INCLUDING FEDERAL LAW TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION NAMING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE SPECIFICATIONS.

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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 CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture 435564003-0	Date Entered Date De Commande 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050419083	Pages of Pages Pages 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 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

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Along EN % Dehnung	% RA
135000 PSI	71500 PSI	46 %	(D)(A)	

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

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

Stress Rupture Temperature • Essai A Charge De Rupture Zeitsstandsversuch

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

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

Amanda Aguirre

4/19/2005 (1) 2742656801

4/27/05

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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 • WERKZEUGZEIGNIS

Invoice No No. De Facture Rechnungs Nr. 435564003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050419083	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
Ship To • Client • Bestellanrschrift 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 Expeditee Liefermenge 1 PC	Oxidation Rate		Corrosion Rate		Charpy Impact Test		Creep Rupture				
	IGCA	Uniformity	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Result Versuch	Stress Constante Spannung	Hours Hours Stunden	% Elong In Elong EN	% Elong @ 15 Hrs
Age Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosscur De Grain Korngruesse	ALA	Attack Depth	Test Method	Fig/W Figure Number	MPY							
99 HRB	(1)(A) 7												

4/19/2005 (1) 2742656801

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

Amanda Aguirre

MTM 09
4/27/05

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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

Invoice No. No. De Facture Rechnungs Nr. 435564003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr. 20050419083	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 • 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

4/19/2005

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

Amanda Aguirre

WIN 09 4/27/05

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 ASSURED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ERRORS ON THIS DOCUMENT MAY BE PROSECUTED. 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 ASSURING MULTIPLE MATERIAL SPECIFICATIONS.

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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

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. / No. De Facture: 435568003-0
Date Entered / Date De Commande: 03/08/05
Customer Reference / Référence Client: P05-00999
Report No. / Rapport No.: 20050419078
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: 1 PC
Quantity Shipped / Quantité Expédiée / Lieferung: 1 PC

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

Heat Number / Numéro De Coche / Charge Nr.		Chemical Analysis • Analyse Chimique • Chemische Analyse																	
2650 5 6804		Al	B	C	C	Cu	Cr	Co	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *03
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			
2650 5 6804		3.4664	<0.05																

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician
4/19/2005

Amanda Aguirre

APR 27 2005
95636
Line 2 B.1.

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 UNLESS INDICATED OTHERWISE. THE BUYER SHALL NOT BE RESPONSIBLE FOR THE MATERIAL 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

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr 435568003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestellidaten P05-00999	Report No. Rapport No Zeugnis Nr 20050419078	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
Ship To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinatire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		

Specification • Spécification • Spezifikation ASTM-B-443, 00c1, 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.			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	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% RA
132000 PSI	68500 PSI	52 %	(1)(A)		

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

Amanda Aguirre

4/19/2005

(1) 2742657101

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SUPPLIERS THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THIS SUBJECT REPORT. THIS IS A SPECIAL ORDER. THE REQUIREMENTS OF THE LATEST SUPPLIER'S FINISH, AS SPECIFIED BY ANY EXCEPTIONS OR IN SPECIAL ORDER REQUIREMENTS, SHALL BE THE BASIS FOR THE DATA REPORTED IN THIS DOCUMENT. THE DATA REPORTED IN THIS DOCUMENT SHALL NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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Product Description • Description Produit • Material Bezeichnung

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 435568003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050419078	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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Ship To • Client • Bestelldatumschrift
MAJOR TOOL AND MACHINE INC
1458 E 19TH ST
INDIANAPOLIS
IN 46218 USA

Ship To • Destinataire • Bestelldatumschrift
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
---	---

Annealed Hardness Durete Recuit Gehtert Haerte	Aged Hardness Durete Vieilli Gehtert Haerte	Grain Size Grossueur De Grain Korngroesse		IGA	Uniformity	Corrosion Rate		Oxidation Rate	
		Grain Size Grossueur De Grain Korngroesse	Uniformity			Corrosion	Test Method	Oxidation Rate	Test Method
98 HRB	(1)(A)	6				MPY			

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

Amanda Aguirre

4/19/2005 (1) 2742657101

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Kokomo, Indiana, 46902

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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 CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr. 435568003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenreferenzdaten P05-40999	Report No. Rapport No. Zeugnis Nr. 20050419078	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 • Bestimmung 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

4/19/2005

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Product Description • Description Produit • Material Bezeichnung

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Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No Rechnungs Nr 435568002-1	Date Entered Date De Commande 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050505066	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
Sold To • Client • Bestellaufschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destination • Bestimmung 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
--	--

1STM-B-443, 00c1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numéro de Cotte Charge Nr 2650 5 6804	Chemical Analysis • Analyse Chimique • Chemische Analyse											W	BUTT END *03				
	Al	B	C	C	Cr	Cr	Cu	Fe	Fe	Mo	Ni			P	S	Si	Ti
	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		
2650 5 6804	3.4664	<0.05															

5/572005

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

Amanda Aguirre



5/6/05

5/6/05
95977
LIC 3
B.A

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Nadcap CERTIFICATE NUMBER 0089
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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435568002-1	Date Entered Date De Commande Bereitstellung 03/08/05	Customer Reference Référence Client Kundenbestellblatt P05-00999	Report No. Rapport No Zeugnis Nr 20050505066	Pages of Pages Page de Page Anzahl der Seiten 2 Of 4
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Ship To • Client • Bestellspezifität
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

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch		Tensile Test at Elevated Temperature • Essai De Traction A Rte. Temp. Warm Zugversuch	
Ultrasonic Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	1% Yield Lim. Elast. A 1% 1% Streckgrenze	Ultrasonic Zugfestigkeit
132000 PSI	68500 PSI	52 %	(1)(A)

Stress Rupture Temperature • Essai A Chargé De Rupture Zeitstandversuch		Stress Rupture Temperature • Essai A Chargé De Rupture Zeitstandversuch	
Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong in % Along EN % Dehnung

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

Amanda Aguirre

(1) 2742657101

5/5/2005

MTM 09 5/6/05

THE DATA CONTAINED HEREIN WAS OBTAINED FROM EXAMS IN FULL AND REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SUPPLY. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED. ANY DEVIATIONS FROM THESE REQUIREMENTS WILL BE REPORTED TO THE CUSTOMER. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

FILE COPY 1

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

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435568002-1	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbezeichnung POS-00999	Report No. Rapport No. Zeugnis Nr 20050505066	Pages of Report Pages 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 • Spezifikationen
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Annealed Hardness Dureté Recuit Geschliffte Härte	Aged Hardness Dureté Vieilli Gealterte Härte	Grain Size Grosser De Grain Korngrösse		IGA	Corrosion Rate Corrosion	Oxidation Rate	Charpy Impact Test			Creep Rupture								
		Grain Size Profoundal Grain Size	Grain Size Remy, Grain Korn %				ALA F&W Figure Number	Attack Depth	Test Method	Uniformity	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong in % Allong EN % Dehnung
98 HRB	(1)(A)	6			MPY													

Certified By • Certifié Par • Beschleunigt Durch: Amanda Aguirre
Certification Technicien

5/5/2005

(1) 2742657101

Amanda Aguirre

PTM 09
5/6/05

THE DATE, CONTENT AND SIGNATURE OF THIS CERTIFICATE ARE THE PROPERTY OF THE PRODUCER OF THE PRODUCT TO WHICH THIS CERTIFICATE RELATES. THIS MATERIAL SUBJECTS THE REQUIREMENTS OF THE RELATED SPECIFICATIONS AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE VARYING ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.

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

HAYNES
International

Product Description • Description • Produkt • Material Bezeichnung

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

Invoice No No. De Facture Rechnung Nr 435568002-1	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050505066	Pages of Pages Pages 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 • Bestimmung 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

5/5/2005

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

Amanda Aguirre

MTM 09
5/6/05

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT SUPPORT. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS UNLESS INDICATED OTHERWISE BY ANY EXPLICIT OR IMPLIED REQUIREMENTS. THE REQUIREMENTS OF FEDERAL SPECIFICATION FEDERAL LAW TITLE 11 CHAPTER 91, THE FEDERAL ACQUISITION REGULATORY GUIDE (FAR) PART 47.101-2, AND THE WRITTEN CONSENT OF HAYNES INTERNATIONAL INC. THE REQUIREMENTS OF FAR, PART 47.101-2, AND THE WRITTEN CONSENT OF HAYNES INTERNATIONAL INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED OR CHANGED WITHOUT NOTICE.

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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
435571002-0

Date Entered
Date De Commande
Bestelldatum
03/08/05

Customer Reference
Reference Client
Kundenbestelldaten
P05-01001

Report No.
Rapport No
Zeugnis Nr
20050419046

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 • Destinaataire • 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

Heat Number Numero De Cauce 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	0.21		0.026	3.48	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.14	0.2764		BUTT END *01
2650 5 6804	3.4734	<0.05													BUTT END *01

4/19/2005

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

Amanda Aguirre

4/21/05
MITM 09

APR 27 2005

95616

Line 2 B-A

THE DATA CONTAINED HEREON WAS OBTAINED FROM MARKERS THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT PURCHASER. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS AND OTHER ASSURANCE OF PURCHASE REQUIREMENTS. THE BUYER AGREES TO HOLD HAYNES INTERNATIONAL, INC. HARMLESS FROM ALL LIABILITY FOR ANY DEFECTS OR NON-CONFORMANCES THAT MAY EXIST IN FULL-WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. THE BUYER AGREES TO HOLD HAYNES INTERNATIONAL, INC. HARMLESS FROM ALL LIABILITY FOR ANY DEFECTS OR NON-CONFORMANCES THAT MAY EXIST IN FULL-WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE FOUND ON ORDER REQUIREMENTS IN THESE MATERIAL SPECIFICATIONS.

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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 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 435571002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestelldaten P05-01001	Report No. Rapport No. Zeugnis Nr 20050419046	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Ship 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
--	---

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

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

Specification • Spécification

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

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Stréctegence	0.2% Yield Lim. Elast. A 0.2% 0.2% Stréctegence	%RA	%RA
135000 PSI		71500 PSI	46 %	(1)(A)

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

Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Stréctegence	0.2% Yield Lim. Elast. A 0.2% 0.2% Stréctegence	%RA	%RA

Stress Rupture Temperature • Essai A Charge De Rupture Zeiltsaandversuch

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

Amanda Aguirre

4/19/2005

(1) 2742656801

4/27/05
MTN
09

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, FICTITIOUS OR FRAUDULENT STATEMENTS ON 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 VARYED ON GROUPS, REQUIREMENTS AND OTHER MATERIAL APPLICATIONS.

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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. 435571002-0	Customer Reference Reference Client Kundenbestellidatien P05-01001
Date Entered Date De Commande Bestelldatum 03/08/05	Report No. Rapport No Zeugnis Nr. 20050419046
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

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

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

ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Specification • Spzifikation																																				
<table border="1"> <tr> <th>Annealed Hardness Durete Recuit Gelegtheit Haerte</th> <th>Grain Size Grossur De Grain Korngroesse</th> <th>IGA</th> <th>Uniformity</th> <th>Corrosion Rate</th> <th>Oxidation Rate</th> </tr> <tr> <td>99 HRB</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Annealed Hardness Durete Recuit Gelegtheit Haerte	Grain Size Grossur De Grain Korngroesse	IGA	Uniformity	Corrosion Rate	Oxidation Rate	99 HRB	7					<table border="1"> <tr> <th>Charpy Impact Test</th> <th>Creep Rupture</th> </tr> <tr> <td> <table border="1"> <tr> <th>Toughness Avg</th> <th>Toughness 1</th> <th>Toughness 2</th> <th>Toughness 3</th> <th>Test Essai Versuch</th> <th>Temp.</th> <th>Stress Constrainic Spannung</th> <th>Hours Stunden</th> <th>% Elong In % Dehnung</th> <th>% Elong @ 15 Hrs</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </td> <td></td> </tr> </table>	Charpy Impact Test	Creep Rupture	<table border="1"> <tr> <th>Toughness Avg</th> <th>Toughness 1</th> <th>Toughness 2</th> <th>Toughness 3</th> <th>Test Essai Versuch</th> <th>Temp.</th> <th>Stress Constrainic Spannung</th> <th>Hours Stunden</th> <th>% Elong In % Dehnung</th> <th>% Elong @ 15 Hrs</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.	Stress Constrainic Spannung	Hours Stunden	% Elong In % Dehnung	% Elong @ 15 Hrs											
Annealed Hardness Durete Recuit Gelegtheit Haerte	Grain Size Grossur De Grain Korngroesse	IGA	Uniformity	Corrosion Rate	Oxidation Rate																																
99 HRB	7																																				
Charpy Impact Test	Creep Rupture																																				
<table border="1"> <tr> <th>Toughness Avg</th> <th>Toughness 1</th> <th>Toughness 2</th> <th>Toughness 3</th> <th>Test Essai Versuch</th> <th>Temp.</th> <th>Stress Constrainic Spannung</th> <th>Hours Stunden</th> <th>% Elong In % Dehnung</th> <th>% Elong @ 15 Hrs</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.	Stress Constrainic Spannung	Hours Stunden	% Elong In % Dehnung	% Elong @ 15 Hrs																											
Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Temp.	Stress Constrainic Spannung	Hours Stunden	% Elong In % Dehnung	% Elong @ 15 Hrs																												

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

4/19/2005 (1) 2742656801

Amanda Aguirre

4/2/05
MAY 08

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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 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. 435571002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No. Zeugnis Nr. 20050419046
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 • 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

4/19/2005

4/27/05
60
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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,S100E, EN 10204 3.1.B, AS9100

Invoice No. No. De Facture Rechnungs Nr 435571003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No. Zeugnis Nr 20050419082	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 • Bestelldenge 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

ASTM-B-443, 00e1, UNS# N066025, Gr. 1; PS-489, E

Heat Number Numero De Cevite Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse											W	BUTT END *01				
	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Ni	P			S	Si	Ti	V
2650 5 6804	0.21		0.026	3.48	0.1642	21.71	0.0705	3.9118	0.2464	8.79	60.41	0.003	0.14	0.2764			
2650 5 6804	3.4734	<0.05															

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

Amanda Aguirre

4/19/2005

4/21/05
60
MAY

APR 27 2005
95641

Line 3 B.1-

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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 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. Rechnung Nr. 435571003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellidaten P05-01001	Report No. Rapport No. Zeugnis Nr. 20050419082	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 • Bestelldmenge
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

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
135000 PSI	71500 PSI	46 %	(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	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

4/19/2005 (1) 2742656801

4/27/05
WITH 09

THE RECORDING OF FALSE FICTITIOUS OR FRAUDULENT STATEMENTS OF ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES IN ADDITION TO BEING PUNISHED AS A VIOLATION OF FEDERAL LAWS. THIS MATERIAL MEETS THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS SPECIFIC TO THIS ORDER. THE REQUIREMENTS OF THE LISTED SPECIFICATIONS, MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS, SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC.

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S400E,S1000E, EN 10204 3.1.B, AS9100

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs-Nr 435571003-0		Customer Reference Référence Client Kundenbestellidation P05-01001		Report No. Rapport No. Zeugnis-Nr 20050419082		Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	
Date Entered Date De Commande Bestelldatum 03/08/05		Ship To • Client • Bestellanweisung 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	
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		Uniformity Homogénéité 1 PC		Corrosion Rate Taux de Corrosion MPY	
Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		IGA IGA		Corrosion Corrosion MPY		Oxidation Rate Taux d'Oxydation	
Annealed Hardness Dureté Recuit Gehtert Haerte		Grain Size Grossur De Grain Korngrösse		P&W Figure Number P&W Figure Number		Test Method Méthode d'Essai	
99 HRB		Grain Size Grossur De Grain Korngrösse 7		ALA ALA		Test Essai Versuch Temp.	
Creep Rupture Rupture par Fluage		Charpy Impact Test Essai de Choc Charpy		Toughness Ténacité Ft. Lbs.		Stress Contrainte Spausung PSI	
Hours Heures Stunden		Toughness Ténacité Ft. Lbs.		Toughness Ténacité Ft. Lbs.		% Elong In % Allong EN % Dehnung	
% Elong @ 15 Hrs		Toughness Ténacité Ft. Lbs.		Toughness Ténacité Ft. Lbs.		% Elong @ 15 Hrs	

4/19/2005 (1) 2742656801

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

Amanda Aguirre

4/21/05
ATA 09

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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. 435571003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten POS-01001	Report No. Rapport No. Zeugnis Nr. 20050419082
Sold To • Client • Besteltranschrift 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	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	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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

4/19/2005

4/27/05



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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 • WERKSZEUGNIS		Major Tool and Machine Inc		Ship To: Destinataire • Bestimmung		Quantity Ordered Quantité Commandée Bestellmenge		Quantity Shipped Quantité Expédiée Liefermenge									
Invoice No No. De Facture Rechnungs Nr	Date Entered Date De Commande Bestelldatum	Customer Reference Référence Client Kundenbestelldaten	Report No. Rapport No Zeugnis Nr	Pages of Pages Page de Pages Anzahl der Seiten	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	1 PC	1 PC									
435572002-0	03/08/05	P05-01002	20050419047	1 Of 4	ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E												
Chemical Analysis • Analyse Chimique • Chemische Analyse																	
Heat Number Numéro De Caisse Charge Nr	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END *01
2650 5 6804	0.21		0.026	3.48	0.1642	21.71	3.9118	0.2464	8.79	60.41	0.006	0.003	0.114	0.2764			
	0.05																

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

Amanda Aguirre

4/19/2005

APR 27 2005
 95617
 Line 2 B.1

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Product Description • Description Produit • Material Beschreibung

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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 Rechnungs Nr 435572002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Références Client Kundenbestelldaten P05-01002	Report No. Zertifikat Nr 20050419047	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold To • Client • Bestellanrnschrift
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

Specification • Spécification • Spezifikation

Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.		Tensile Test at Elevated Temperature • Essai De Traction A Hic.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	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong in % Allong EN % Dehnung
135000 PSI	71500 PSI	46 %	(1)(A)		

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Certification Technician

Amanda Aguirre

4/19/2005

(1) 2742656801

4/27/05
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Product Description • Description Produit • Material / Beschreibung

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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. Zeugnis Nr. 20050419047	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4											
Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellnummer P05-01002	Ship To / Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Shipped Quantité Expédiée Liefermenge 1 PC											
Client • Bestelleranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Reference Client Kundenbestellnummer P05-01002	Quantity Ordered Quantité Commandée Bestellmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC											
Specification • Spécification	ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Uniformity	Oxidation Rate											
Annealed Hardness Dureté Recuit Geplücht Härte	Grain Size Grossueur De Grain Korngrösse	IGA	Corrosion Rate	Corrosion	Test Method	Toughness Avg Fi. Lbs.	Toughness 1 Fi. Lbs.	Toughness 3 Fi. Lbs.	Toughness 5 Fi. Lbs.	Test Result Verstuch Temp.	Stress Straining PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs
99 HRB	(1)(A) 7			MPY										

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

Amanda Aguirre

4/19/2005 (1) 2742656801

4/27/05
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Product Description • Description Produit • Material Beschreibung

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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 Rechnungs Nr.	Date Entered Date De Commande Bestelldatum	Customer Reference Reference Client Kundenbestelldaten	Report No. Rapport No. Zeugnis Nr.
435572002-0	03/08/05	P05-01002	20050419047
Ship To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinaataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Quantity Shipped Quantite Expediee Liefermenge 1 PC
Specification • Spécification • 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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

Amanda Aguirre

4/19/2005

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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 CERTIFIE • WERKSZEUGNIS

Invoice No. No. De Facture Rechnungs Nr 435572003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050419080	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	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 Coque Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																
	Al	B	C	Cu	Cr	Co	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.21		0.026	0.0705	21.71	0.1642	3.9118	0.2464	8.79	60.41	0.006	0.003	0.14	0.2764			BUTT END *01
2650 5 6804	3.4734	<0.05	Zr	Pb	LA	Se	Ag	Mg	Y	Ca	N	NH-Co	NH-Ti	NH-Mo			BUTT END *01

4/19/2005

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

Amanda Aguirre

APR 27 2005
95635
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Product Description • Description Produit • Material Beschreibung

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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.
Zugversuch Nr.
20050419080
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

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

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

Test Essai Versuch	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
Temp.					

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

Test Essai Versuch	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
Temp.					
	135000 PSI	71500 PSI	46 %	(1XA)	

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

4/19/2005

(1) 2742656801

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Certification Technician

Amanda Aguirre

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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 • WERKSZEUGNIS		Customer Reference Référence Client Kundenbestelldaten PO5-01002	Report No. Rapport No. Zeichn. Nr. 20050419080	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
Invoice No. No. De Facture Rechnungs Nr. 435572003-0 Date Entered Date De Commande Bestelldatum 03/08/05		Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Quantity Ordered Quantité Commandée Bestellmenge 1 PC
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 Shipped Quantité Expédiée Liefermenge 1 PC
Specification • Spécification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E		IGA Attack Depth		Oxidation Rate
Aged Hardness Dureté Vieilli Gealtert Härte		Grain Size Grosueur De Grain Korngrösse		Corrosion Rate Corrosion Test Method MPY
99 HRB		Grain Size Grosueur De Grain Korngrösse Predominant Grain Size Recy: Grain Urecy: Grain % ALA P&W Figure Number		Charpy Impact/Test Toughness Avg Toughness 1 Toughness 2 Toughness 3 Fl. Lbs. Ft. Lbs. Ft. Lbs. PSI
Creep Rupture		Hours Hours Stunden		Stress Constante Spannung PSI
Test Essai Versuch Temp:		% Elong In % Allong EN % Dehnung		% Elong @ 15 Hrs

4/19/2005 (1) 2742656801

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Certification Technician

Amanda Aguirre

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435572003-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestellidaten P05-01002	Report No. Rapport No. Zeugnis Nr. 20050419080
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	Quantity Ordered Quantite Commandee Bestellmenge 1 PC
Quantity Shipped Quantite Expeditee Lieferung 1 PC	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4

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

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: 2742656801 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

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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 Rechnungs Nr 435574002-0	Report No. Rapport No Zeugnis Nr 20050419042
Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003
Ship To • Destinataire • Bestelldung 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	

Heat Number Numero De Coche Charge Nr 2650 5 6804	Al 0.25	B 0.027	C 3.47	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 0.002	W 0.002	BUTT END #03
--	------------	------------	-----------	-------------	--------------	--------------	--------------	------------	-------------	------------	------------	------------	--------------	------------	------------	--------------

Specification • Spzifikation
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	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	BUTT END #03
2650 5 6804	0.25	0.027	3.47	21.71	0.0711	4.0356	0.2493	8.77	60.45	0.007	0.002	0.14	0.2738	0.002	0.002	
2650 5 6804	0.25	<0.05														

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

Amanda Aguirre

4/19/2005

APR 27 2005
95627
Line 2 B.I.

4/27/05
MIM 09

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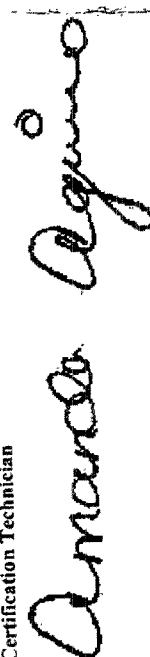
CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No Rechnung Nr 435574002-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr 20050419042
Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4	

Sold To • Client • Bestellarnschriff
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 Expeditee Liefermenge 1 PC	
Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.			
Ultimate Zugfestigkeit 132000 PSI	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung 52 %
		%RA %RA	
Tensile Test at Elevated Temperature • Essai De Traction A Hte.Temp. Warm Zugversuch			
Ultimate Zugfestigkeit (1)(A)	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	

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


4/19/2005 (1) 2742657101

MTW
09
4/21/05

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS	
Invoice No. No. De Facture Rechnungs Nr. 435574002-0	Date Entered Date De Commande Bestelldatum 03/08/05
Customer Reference Référence Client Kundenbestellkaren F05-01003	Report No. Rapport No. Zeugnis Nr. 20050419042
Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4	

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

Quantity Ordered
Quantité Commandée
Bestellmenge
1 PC

Quantity Shipped
Quantité Expédite
Liefermenge
1 PC

Aged Hardness Dureté Vieilli Gealtert Haerte	Grain Size Grossueur De Grain Korngrösse	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test			Creep Rupture									
					Toughness Avg Ft. Lbs.	Toughness Ft. Lbs.	Toughness Ft. Lbs.	Temp: F.	Temp: F.	Temp: F.	Hours Hours Stunden	Stress Constraine Spannung PSI	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs			
98 HRB	(1)(A) 6		MPY														

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

Amanda Aguirre

4/19/2005

(1) 2742657101

MTM
09
 12/27/05

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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 Rechnungs Nr 435574002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestellidatzen P05-01003	Report No. Rapport No Zeugnis Nr 20050419042	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestelltranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinataire • Bestelldatzen 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 Bestelldmenge 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

4/19/2005

MTM 09
4/22/05

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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 CERTIFIE • WERKSZEUGNIS

Invoice No Rechnungs Nr 433568002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr 20050419	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	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

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

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

Amanda Aguirre

4/19/2005

APR 27 2005

MTM 09

4/21/05

95630

Line 3 B2

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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 435568002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-011003	Report No. Rapport No Zeugnis Nr 20050419	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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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 • Specification • Spezifikation

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

Quantity Ordered
Quantite Commandee
Bestellemenge
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. 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 Htc. 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 Heures Stunden	% Elong in % Allong EN % Dehnung	% RA

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

Amanda Aguirre

4/19/2005 (1) 274265710

ATM 09
4/21/05

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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 CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr. 435568002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldatum P05-01003	Report No. Rapport No. Zeugnis Nr. 20050419	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 • 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
Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur Du Grain Korngrösse	IGA
Annealed Hardness Durete Recuit Ergebnis Haerte	Grain Size Grosseur Du Grain Korngrösse	IGA
98 HRB	6	(1)(A)

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

4/19/2005
 (1) 2742657101

MTM 03
 4/27/05

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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. 435568002-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Référence Client Kundenbestelldaten P05-01003	Report No. Rapport No. Zeugnis Nr. 20050419
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		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

4/19/2005

WTH
09
4/27/05

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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. 435387002-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbezeichnung P05-00966	Report No. Rapport No. Zeugnis Nr. 20050419044	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	Quantity Ordered Quantite Commandee Bestelldmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Specification • Specification • Spezifikation
ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number Numero De Caudes Charge Nr.	Chemical Analysis • Analyse Chimique • Chemische Analyse																
	Al	B	C	Co	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

4/19/2005

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

Amanda Aguirre

APR 27 2005
95615
Line 2 B7

MIN 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 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 CERTIFIE • WERKSZEUGNIS

Invoice No Rechnungs Nr 435387002-0	Date Entered Date De Commande 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00956	Report No. Rapport No Zeugnis Nr 20050419044	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 Commande
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.

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

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

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

Certified By • Certifie Par • Bescheinigt Durch: Amanda Aguirre

Certification Technician
4/19/2005
(1) 2742657101

Amanda Aguirre

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MTM 09

11/2/16

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PO Box 9013
Kokomo, Indiana, 46902

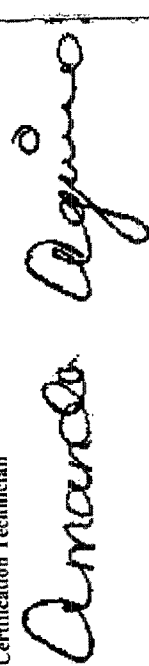
HAYNES
International

Product Description • Description Produit • Material Beschreibung

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

CERTIFICATION OF TESTS • RAPPORT DESAIS CERTIFIE • WERKSZEUGNIS			
Invoice No. No. De Facture Rechnungs Nr 435387002-0		Date Entered Date De Commande Bestelldatum 03/06/05	
Customer Reference Reference Client Kundenbestelldaten P05-00966		Report No. Rapport No Zeugnis Nr 20050419044	
Ship To • Client • Bestellanweisung MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Quantity Shipped Quantite Expediee Liefermenge 1 PC	
Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Quantity Ordered Quantite Commandee Bestellmenge 1 PC	
Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E			
Annealed Hardness Durete Recuit Gepluecht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grossur De Grain Korngroesse	
		Grain Size Prodimian Grain Size	Grain Size Rory Grain Urety: Grain %
98 HRB	(1)(A)	6	
Charpy (Impact) Test		Creep Rupture	
Toughness AVG	Toughness	Toughness	% Elong @ 15 Hrs
P. Lbs.	P. Lbs.	P. Lbs.	% Elong EN % Dabweg
1	7	3	
Corrosion Rate		Oxidation Rate	
Corrosion	Corrosion	Test Method	
MPY			
Uniformity		Attack Depth	
IGA	Attack Depth	P&W Filer Number	
Uniformity		Corrosion Rate	
IGA	Corrosion	Test Method	
	MPY		

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



4/19/2005 (1) 2742657101

11/2/05
MTH 09

THE DATA CONTAINED HEREIN WAS OBTAINED FROM ANALYSES THAT ARE BEING PROVIDED AS A SERVICE TO THE CUSTOMER. THE USER 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 USER SHALL BE RESPONSIBLE FOR VERIFYING THE REQUIREMENTS OF THE LISTED SPECIFICATIONS MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE REQUIREMENTS OF THE LISTED SPECIFICATIONS MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE REQUIREMENTS OF THE LISTED SPECIFICATIONS MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS.

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 • WERKSZEUGNIS	
Invoice No No. De Facture Rechnings Nr 435387002-0	Date Entered Date De Commande Bestelldatum 03/06/05
Customer Reference Référence Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugniss Nr 20050419044
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 • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC
Quantity Shipped Quantite Expeditee Lieferung 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 • Beschönigt Durch: Amanda Aguirre
 Certification Technician

Amanda Aguirre

4/19/2005

4/2/05



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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 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 Facture: 435387003-0
 Date Entered / Date De Commande: 03/06/05
 Customer Reference / Reference Client: P05-00966
 Report No. / Rapport No: 20050419074
 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 • Bestelldmenge: 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
 Specification • Spezifikation: ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E

Heat Number / Numero De Codes / Charge Nr.		Chemical Analysis • Analyse Chimique • Chemische Analyse																	
2650 5 6804		Al	B	C	Ca	Cr	Cu	Fe	Mn	Mo	Ni	N	P	S	Si	Ti	V	W	BUTT END *03
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			
2650 5 6804		3.4664	<0.05																

4/19/2005

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

Amanda Aguirre

RECEIVED
 APR 27 2005
 95640
 Line 3 B.2

MM 11/10
 4/21/05

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HAYNES
International

Haynes International
1020 West Park Avenue
PO Box 9013
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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 Rechnungs Nr 435387003-0	Date Entered Restdatum 03/06/05
Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No. Zeugnis Nr 20050419074
Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4	

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

Quantity Ordered
Quantite Commandee
Bestellemenge
1 PC

Quantity Shipped
Quantite Expeditee
Liefermenge
1 PC

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 Hic.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
132000 PSI	68500 PSI	52 %	(1)(A)
Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch		Hours Heures Stunden	% Elong In % Allong EN % Dehnung
		Temp.	% RA
		Temp.	% RA

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

Amanda Aguirre

4/19/2005 (1) 2742657101

4/27/05

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Kokomo, Indiana, 46902

HAYNES
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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 Rechnung Nr 435387003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestellnummer POS-00966	Report No. Zeigende Nr. 20050419074	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
--	--	--	---	--

Ship To • Destinataire • Bestimmung	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	

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

Annealed Hardness Dureté Vieilli Gealtert Härte Geglücht Härte	Grain Size Grosser De Grain Korngrösse	IGA	Corrosion Rate	Oxidation Rate	Charpy Impact Test		Creep Rupture								
					Toughness Avg F. Lbs.	Toughness F. Lbs.	Toughness F. Lbs.	Toughness F. Lbs.	Test Echelle Verzuch	Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs	
98 HRB	(1)(A) 6		MPY												

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

4/19/2005 (1) 2742657101

Amanda Aguirre

4/27/05

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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 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 435387003-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Zeugnis Nr 20050419074	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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		
Specifications • Spezifikation • Spezifikation ASTM-B-443, 00e-1, 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.

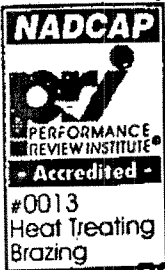
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

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

4/19/2005

Amanda Aguirre

MTM 09
4/17/05



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50041

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03854

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 # 05-1278

DATE SHIPPED 7-15-05

QUANTITY

DESCRIPTION

1 PC

#SE120-003-1-1

JOB #65678-1/4, 65678-21/4 SEQ #30

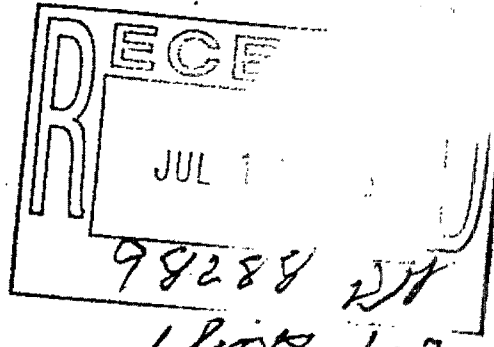
MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A

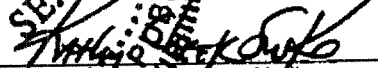
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES

& RAPID AIR COOLED.

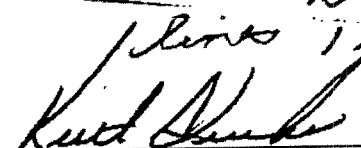
JUL 18 2005



Sworn and subscribed to before me...

on 7-15-05 
Notary Public, Morgan Burns - State of Indiana

My commission expires: 07-30-09

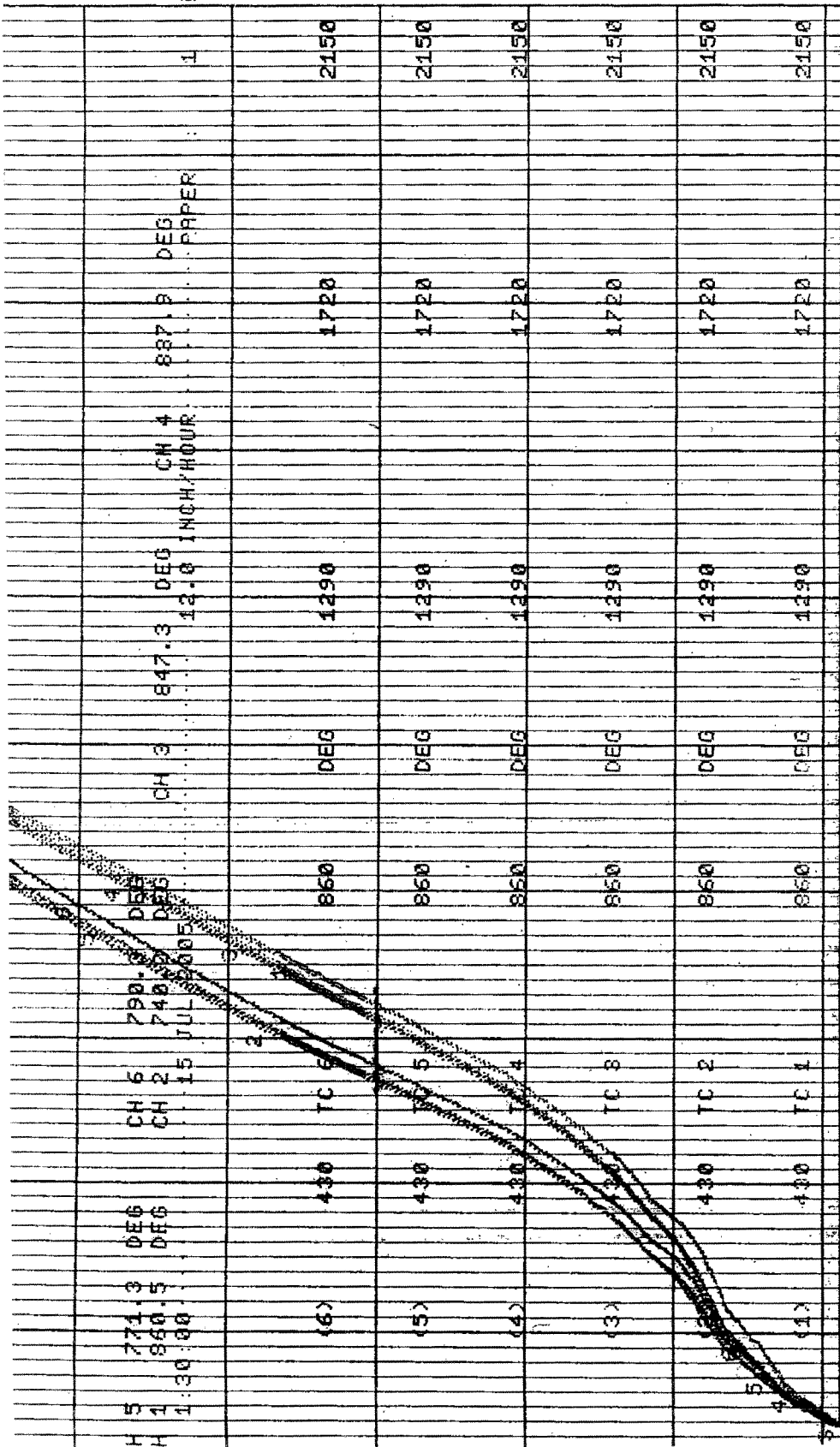


(Name)

QA

(Title)

4275 KA

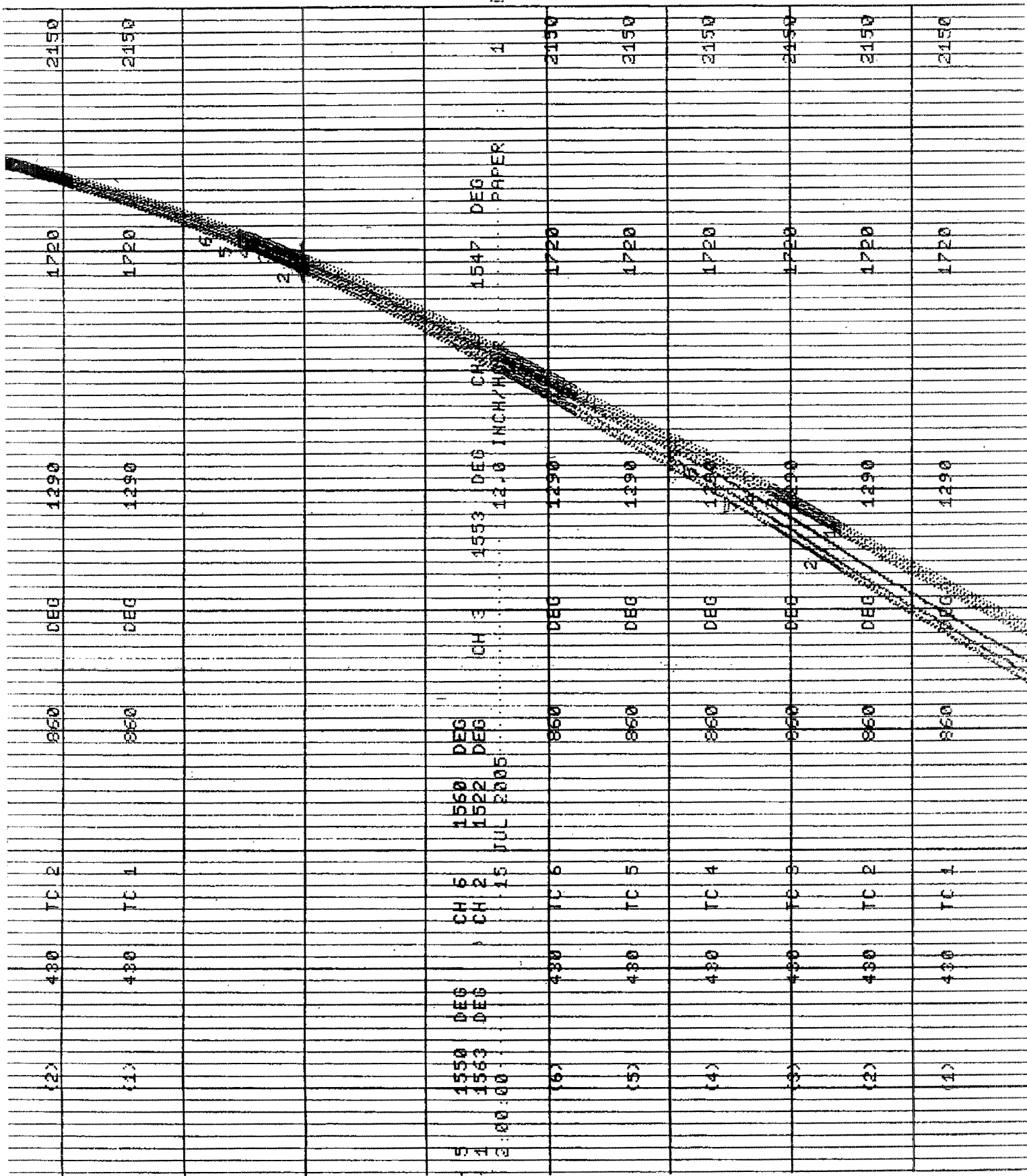


Time	Temp (DEG)	Channel
1:06:00	1720	PAPER
1:08:00	1720	PAPER
1:32:00	1720	PAPER
1:34:00	1720	PAPER
1:39:00	1720	PAPER
1:41:00	1720	PAPER
15 JUL	1290	TC 2
15 JUL	1290	TC 1
15 JUL	1290	TC 3
15 JUL	1290	TC 4
15 JUL	1290	TC 5
15 JUL	1290	TC 6

EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7/14/05 COMPANY: MAJOR TOOL
 LOAD #: 05-1278 MATERIAL: INC 685
 QTY: 2 P/N: RF180-003-1-1
65678-1/4 65678-2/4
 FURNACE: Gf-1 ATMOS: ATR
 REF. SPEC: AMS 2774 A
 RECORDER: OFF 03 TIME START: 1:06 AM

JUL 18 2005





QTY	REF	DATE	ITEM	UNIT	PRICE	TOTAL	REMARKS
1		15 JUL 2005	14.0 INCH/HOUR	DEG	1720	2150	PAPER
(5)	TC 5		1290	DEG	1720	2150	
(4)	TC 4		1290	DEG	1720	2150	
(3)	TC 3		1290	DEG	1720	2150	
(2)	TC 2		1290	DEG	1720	2150	
(1)	TC 1		1290	DEG	1720	2150	
(6)	TC 6	15 JUL 2005	1290	DEG	1720	2150	PAPER
(5)	TC 5		1290	DEG	1720	2150	
(4)	TC 4		1290	DEG	1720	2150	
1897	CH 6	1891	DEG				CH 4
1897	CH 2	1887	DEG				CH 3

4275 KA

15 JUL 2005 PRINT INHIBIT MODE

3:58:00

2150

1720

1290

DEG

860

TC 5

430

(6)

2150

1720

1290

DEG

860

TC 5

430

(5)

PAPER

12.0 INCH/HOUR

1290

DEG

860

TC 4

430

(4)

2150

1720

1290

DEG

860

TC 3

430

(3)

2150

1720

1290

DEG

860

TC 2

430

(2)

2150

1720

1290

DEG

860

TC 1

430

(1)

1901 DEG

1904 DEG

3:09:07

CH 5

1901 DEG

CH 4

1904 DEG

CH 3

1903 DEG

CH 2

1902 DEG

CH 1

1901 DEG

15 JUL 2005

TABULAR PRINTOUT

15 JUL 2005

CH 5

1901 DEG

CH 4

1904 DEG

CH 3

1903 DEG

CH 2

1902 DEG

CH 1

1901 DEG

500 V



65678



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50061
Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03856

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 # 05-1307

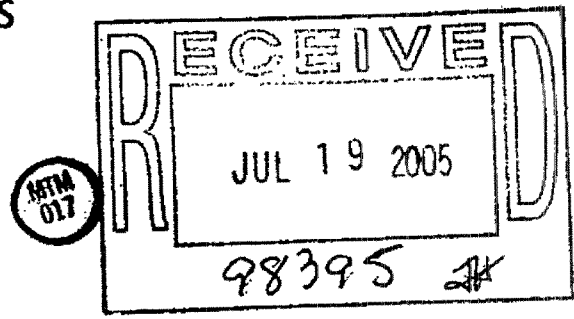
DATE SHIPPED 7-19-05

QUANTITY	DESCRIPTION
1 PC	#SE120-003-1-2 JOB #65678-2/4 SEQ #30

MATERIAL: INCO 625

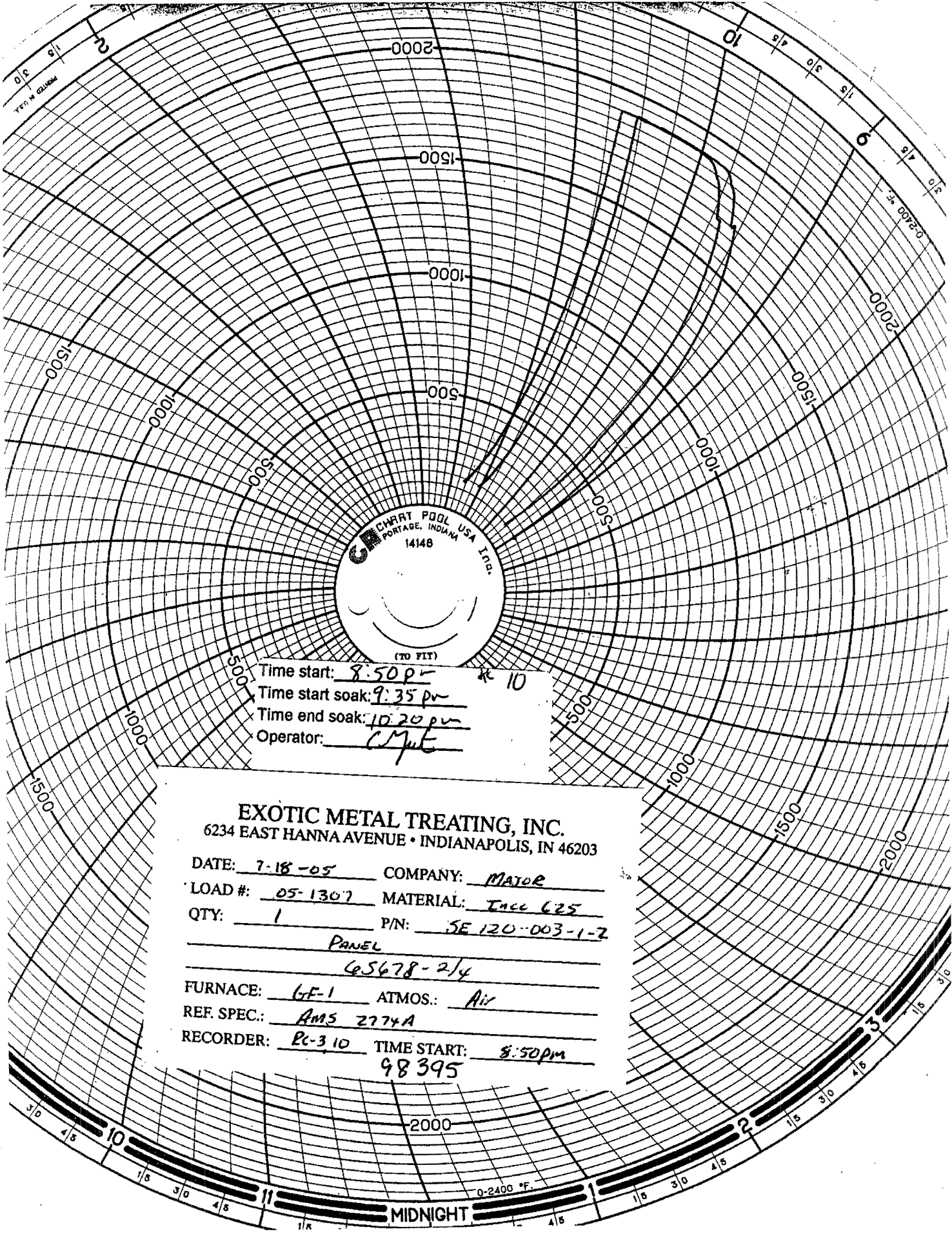
SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

JUL 25 2005



Sworn and subscribed to before me...
 on 7-19-05 [Signature]
 Notary Public Morgan County - State of Indiana
 My commission expires 09-30-09

[Signature]
 (Name)
QA
 (Title)



CHRIST POOL USA INC.
 PORTAGE, INDIANA
 14148
 (TO FIT)

Time start: 8:50 p.m. # 10
 Time start soak: 9:35 p.m.
 Time end soak: 10:20 p.m.
 Operator: C. M. T.

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

DATE: 7-18-05 COMPANY: MAJOR
 LOAD #: 05-1307 MATERIAL: Ince 625
 QTY: 1 P/N: SE 120-003-1-2
PANEL
65678-2/4

FURNACE: GF-1 ATMOS.: Air
 REF. SPEC.: AMS 2774A
 RECORDER: RC-310 TIME START: 8:50pm
98395

MIDNIGHT

65678



Certificate of Conformance

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

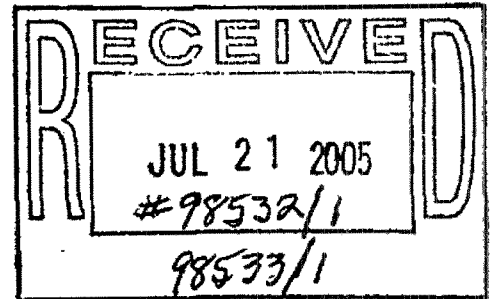
JOB #65678-22/4, 65678-2/5, ✓

65678-22/5 ✓ 65678-2/6 ✓ SEQ #30

MATERIAL: INCO 625

JUL 25 2005

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



RKL

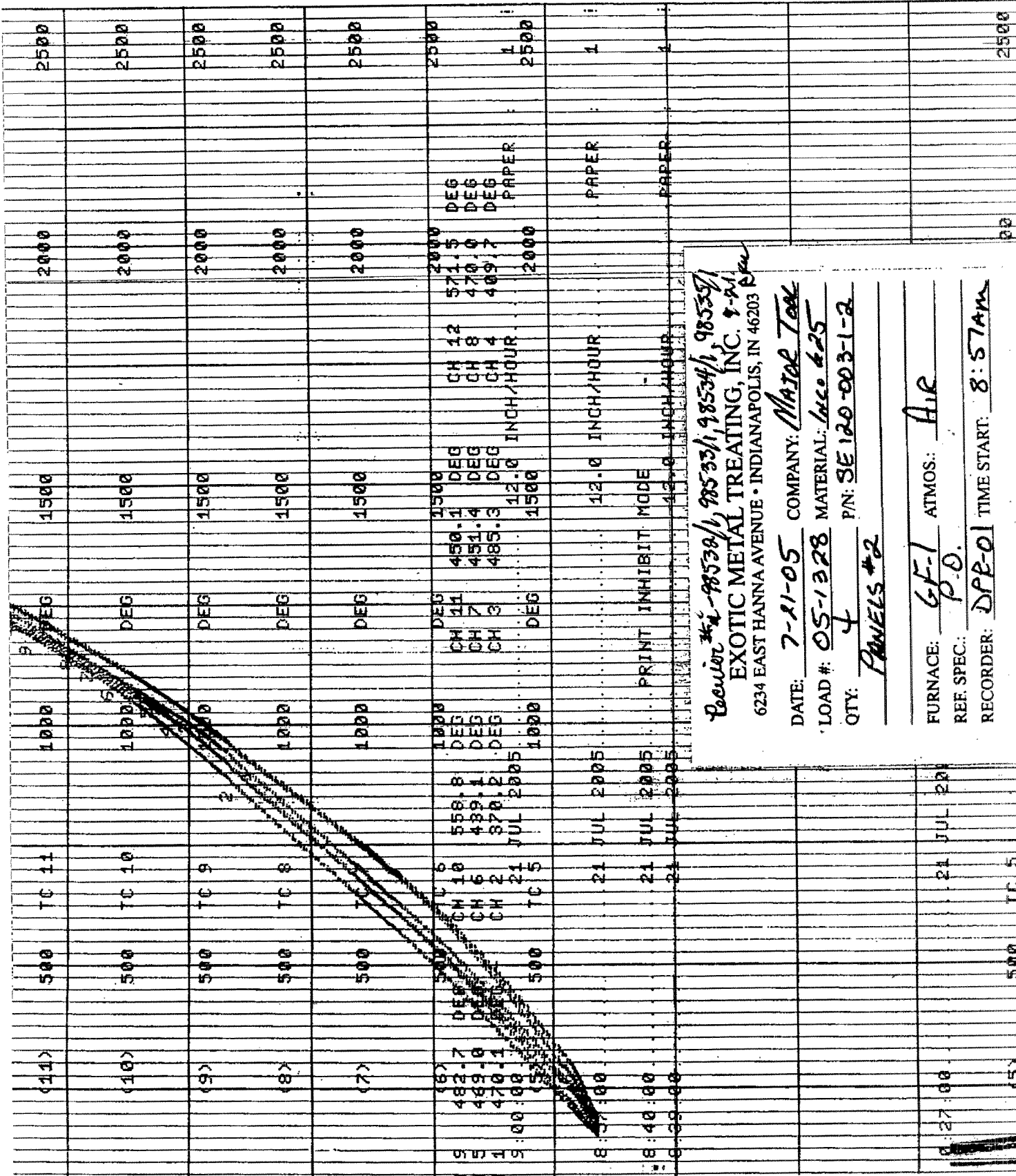
Sworn and subscribed to before me...

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

My commission expires 09-09

Kurt D...
(Name)

SA
(Title)



Order # 98538/1, 98533/1, 98534/1, 98535/1
 EXOTIC METAL TREATING, INC. 9-24
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 7-21-05 COMPANY: Major Tool
 LOAD #: 05-1328 MATERIAL: luc 625
 QTY: 4 P/N: SE120-003-1-2
Panels #2

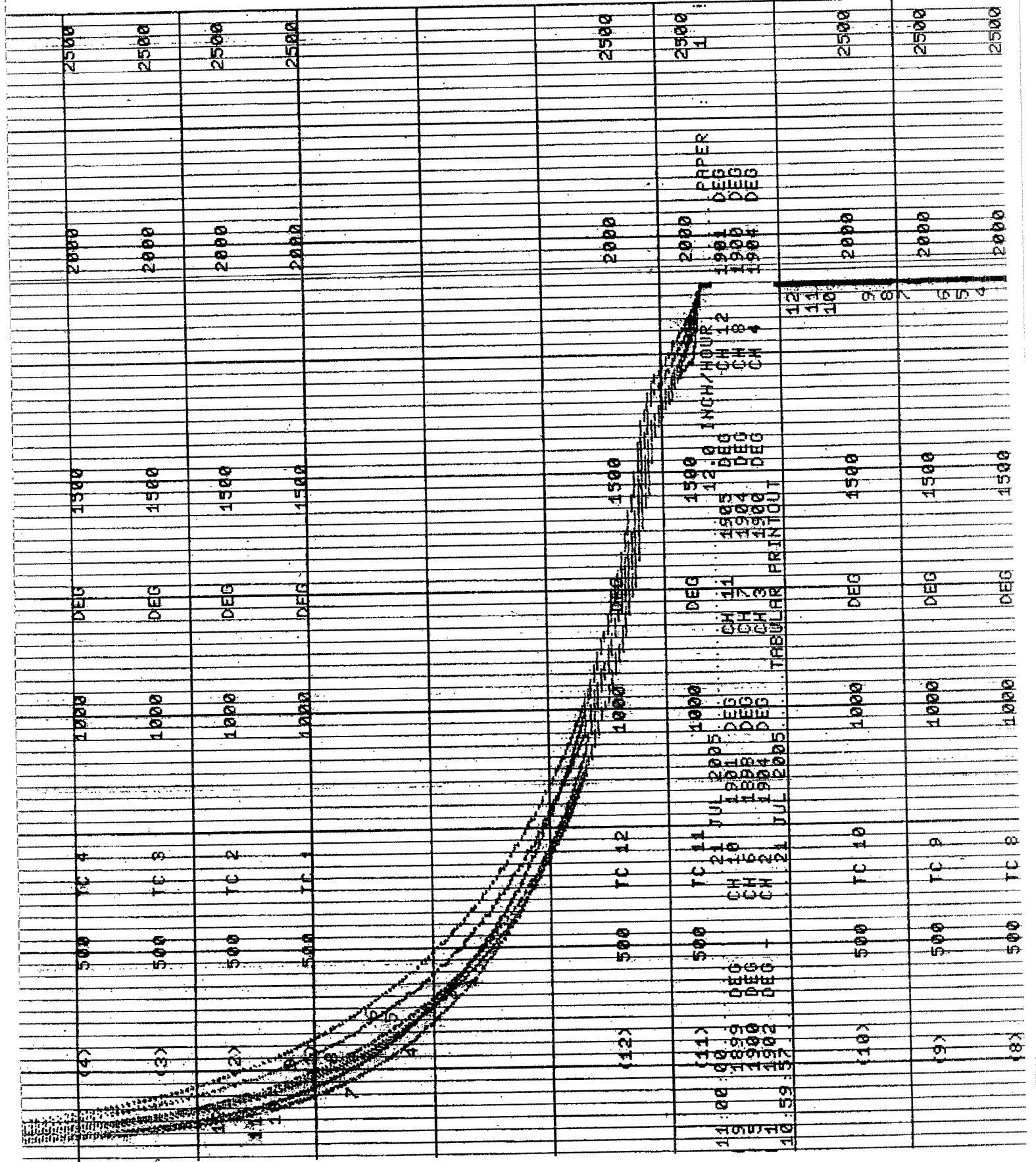
FURNACE: GF-1 ATMOS: Air
 REF. SPEC: P.O.
 RECORDER: DPE-01 TIME START: 8:57AM

4275 Kb

4275 Ka

1859	DEG	500	TC 8	1855	DEG	1000	DEG	1864	DEG	1500	CH 12	2000	DEG	2500
1858	DEG		CH 10	1856	DEG		CH 11	1864	DEG		CH 12	1854	DEG	
1859	DEG		CH 5	1856	DEG		CH 7	1863	DEG		CH 8	1858	DEG	
10:00:00	DEG		CH 2	1857	DEG		CH 3	1857	DEG		CH 4	1859	DEG	1
			21 JUL 2005								12.0 INCH/HOUR		PAPER	
(7)	DEG	500	TC 7			1000	DEG	1500		1500		2000		2500
(6)	DEG	500	TC 6			1000	DEG	1500		1500		2000		2500
(5)	DEG	500	TC 5			1000	DEG	1500		1500		2000		2500
(4)	DEG	500	TC 4			1000	DEG	1500		1500		2000		2500
(3)	DEG	500	TC 3			1000	DEG	1500		1500		2000		2500
(2)	DEG	500	TC 2			1000	DEG	1500		1500		2000		2500
(1)	DEG	500	TC 1			1000	DEG	1500		1500		2000		2500
1463	DEG		CH 10	1528	DEG		CH 11	1491	DEG		CH 12	1527	DEG	
1450	DEG		CH 6	1446	DEG		CH 7	1487	DEG		CH 8	1451	DEG	
1455	DEG		CH 2	1458	DEG		CH 9	1497	DEG		CH 4	1467	DEG	
9:30:00			21 JUL 2005								12.0 INCH/HOUR		PAPER	1

(6)	500	TC 6	1000	DEG	1500		2000	2500
(5)	500	TC 5	1000	DEG	1500		2000	2500
(4)	500	TC 4	1000	DEG	1500		2000	2500
(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
(12)	500	TC 12	1000	DEG	1500		2000	2500
1891	DEG	CH 10	1895	DEG	1897	DEG	1898	DEG
1892	DEG	CH 6	1896	DEG	1899	DEG	1892	DEG
1896	DEG	CH 2	1897	DEG	1893	DEG	1898	DEG
1893	DEG	CH 21	JUL 2005	TRABULAR PRINTOUT				
(11)	500	TC 11	1000	DEG	1500		2000	2500
(10)	500	TC 10	1000	DEG	1500		2000	2500





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49884

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03380

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 # 05-1088

DATE SHIPPED 6-17-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-3

JOB #65678-3/4 & 65678-23/4 SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A

1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

JUN 17 2005

97178

DB



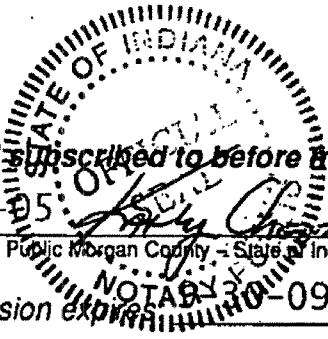
RKH

Sworn and subscribed to before me...

on 6-17-05

Notary Public Morgan County - State of Indiana

My commission expires 11-10-09



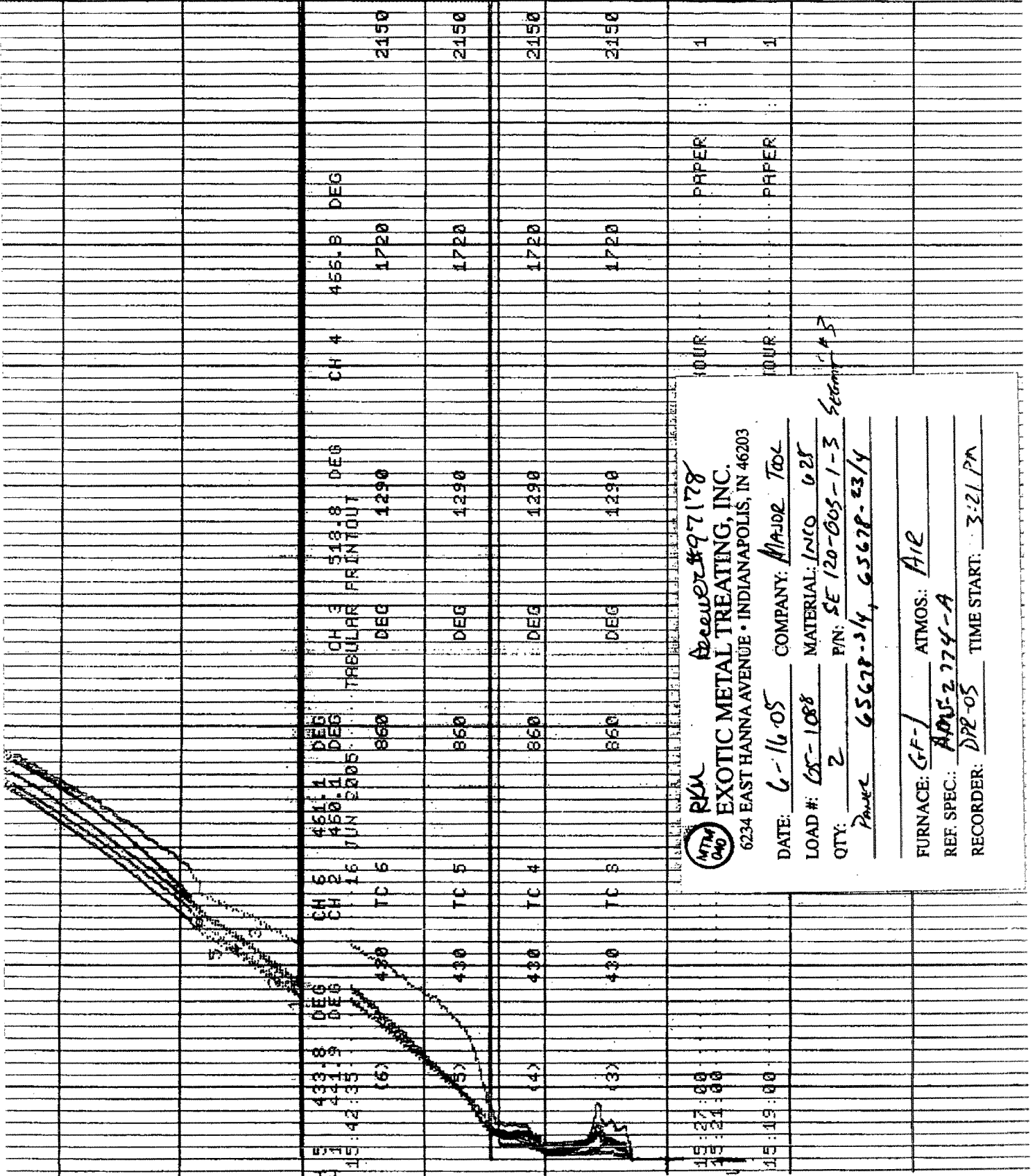
Kurt Schuler


(Name)

QA

(Title)

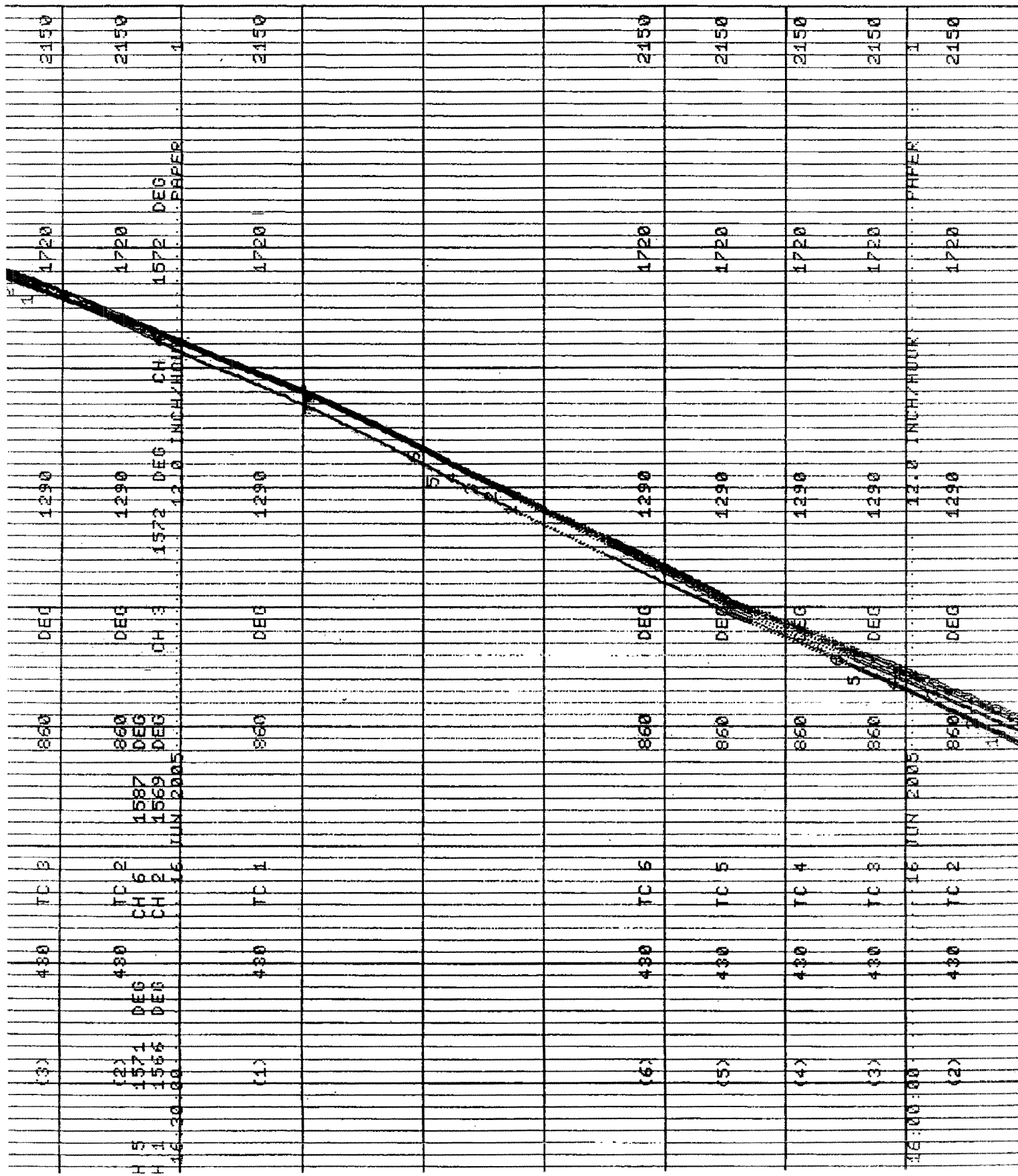
4275 Ka



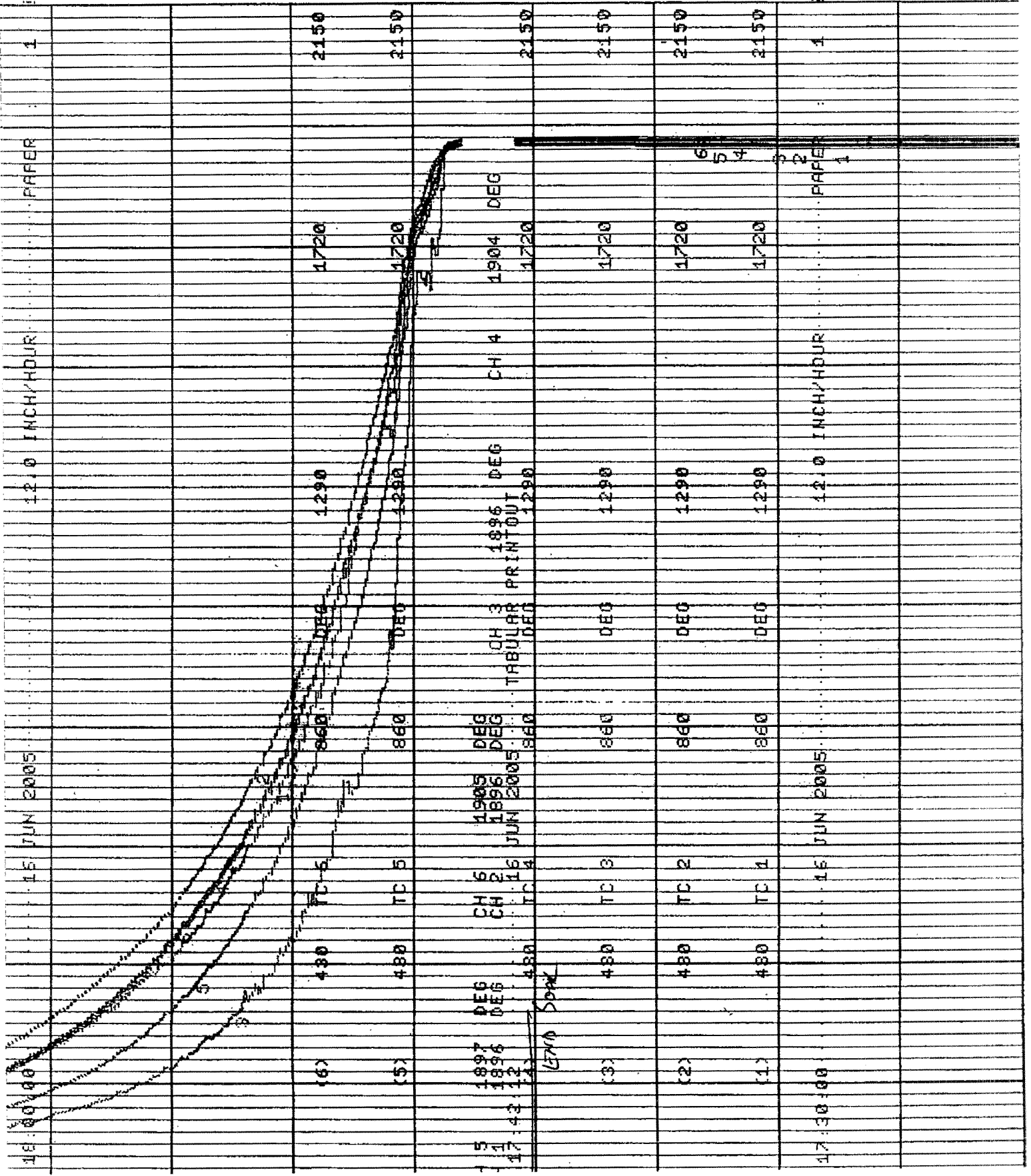
 **RKM** Receiver #97178
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6-16-05 COMPANY: MAJOR TOOL
 LOAD #: 65-1088 MATERIAL: INCO 625
 QTY: 2 P/N: SE 120-005-1-3
 Paper 65678-3/4, 65678-23/4
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC.: AOS-2774-A
 RECORDER: DPE-05 TIME START: 3:21 PM

TIME	TEMP	UNIT	TYPE
15:27:00	451.1	DEG	PAPER
15:28:00	450.1	DEG	PAPER
15:42:35	450.1	DEG	PAPER
15:42:35 (6)	450.1	DEG	PAPER
15:42:35 (5)	450.1	DEG	PAPER
15:42:35 (4)	450.1	DEG	PAPER
15:42:35 (3)	450.1	DEG	PAPER
15:42:35 (2)	450.1	DEG	PAPER
15:42:35 (1)	450.1	DEG	PAPER

4275 Ka



(6)	480	TC 5	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
(2)	480	TC 2	860	DEG	1290	1720	2150
(1)	480	TC 1	860	DEG	1290	1720	2150
17:00:00		15 JUN 2005			1210 INCH/HOUR		PAPER
5	1898 DEG	CH 6	1897 DEG	CH 3	1890 DEG	CH 4	1899 DEG
1	1895 DEG	CH 2	1896 DEG	TRIBULAR PRINTOUT			
16:56:48	START	SONAR 15	JUN 2005				
(6)	480	TC 5	860	DEG	1290	1720	2150
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19:00:00 15 JUN 2005 12.0 INCH/HOUR PAPER 1

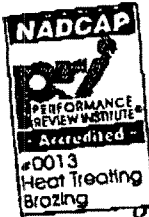
2150
1720
1720
2150

1997 DEG CH 6 1905 DEG
1896 DEG CH 5 1896 DEG
1742 DEG CH 4 1904 DEG
1720 DEG CH 3 1896 DEG
1290 DEG TABULAR PRINTOUT
860 DEG TC 6 1290
860 DEG TC 5 1290
860 DEG TC 4 1290
860 DEG TC 3 1290
860 DEG TC 2 1290
860 DEG TC 1 1290

LINA SOWK

17:30:00 15 JUN 2005 12.0 INCH/HOUR PAPER 1

* 15:00	16 JUN 2005	PRINT	INHIBIT	MODE					
(4)	400	TC 4	860	DEC	1290	1720	2150		
(3)	400	TC 3	860	DEC	1290	1720	2150		
(2)	400	TC 2	860	DEC	1290	1720	2150		



CORRECTED
Certificate of Conformance
EXOTIC METAL TREATING INC.

Certificate # 49905

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03402 & P05-03403

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 # 05-1106

DATE SHIPPED 6-21-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-4

JOB #65678-4/4 & 65678-24/4 SEQ #30

MATERIAL: INCO 625

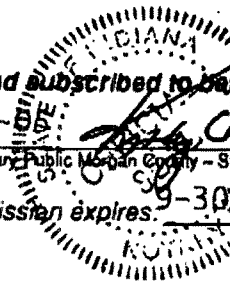
SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

6-21-05
Receiver # 97286 Line #1
+ 97287 Line #1

Sworn and subscribed to before me...

on 6-21-05
[Signature]
Notary Public Morgan County - State of Indiana

My commission expires 9-30-06



[Signature]

(Name)


[Signature]

(Title)



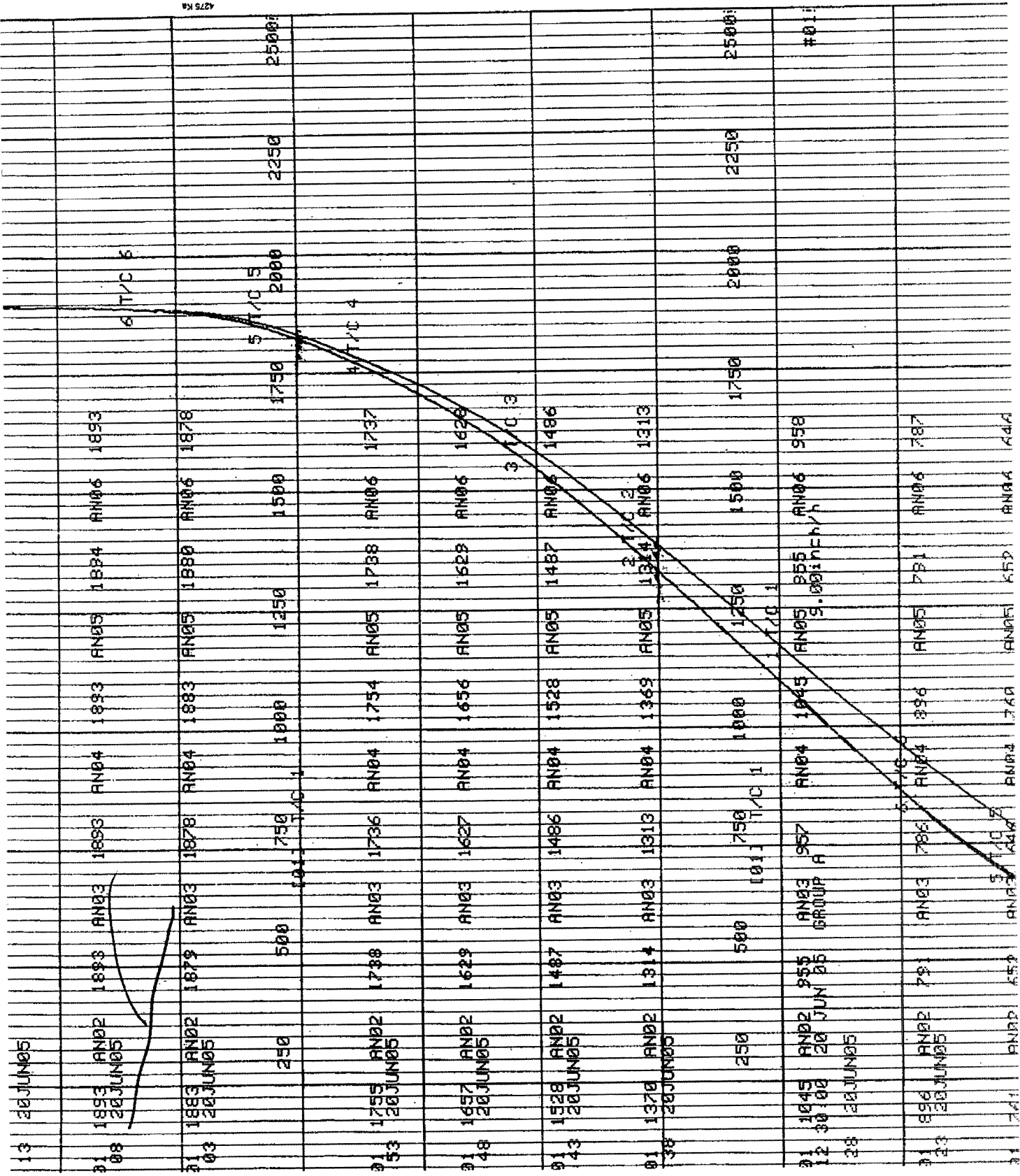
4275 Ka

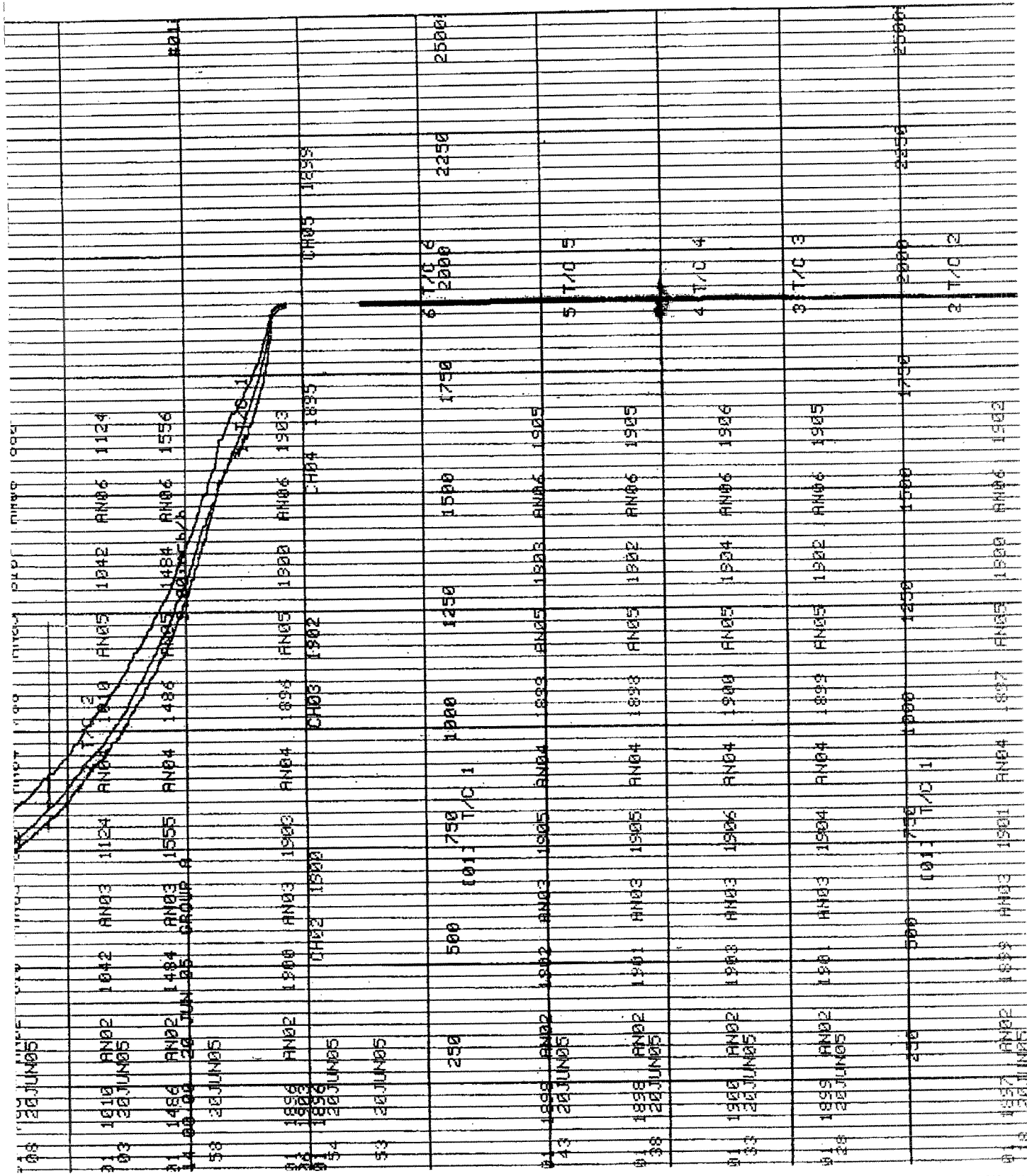
43	AN02	539	AN04	643	AN05	589	AN06	531
13	20 JUN 05							
	250	500	750	1000	1250	1500	1750	2000
		1011	1110	1				2250
								2500
43	AN02	347	AN03	439	AN05	354	AN06	347
103	20 JUN 05							
43	AN02	276	AN04	351	AN05	276	AN06	275
158	20 JUN 05							
43	AN02	198	AN03	273	AN05	198	AN06	214
153	20 JUN 05							
43	AN02	84	AN03	87	AN05	85	AN06	86
148	20 JUN 05							
43	AN02	85	AN03	86	AN05	85	AN06	86
149	20 JUN 05							
43	AN02	999	AN03	999	AN05	999	AN06	999
154	20 JUN 05							
43	AN02	999	AN03	999	AN05	999	AN06	999
159	20 JUN 05							
43	AN02	999	AN03	999	AN05	999	AN06	999
164	20 JUN 05							

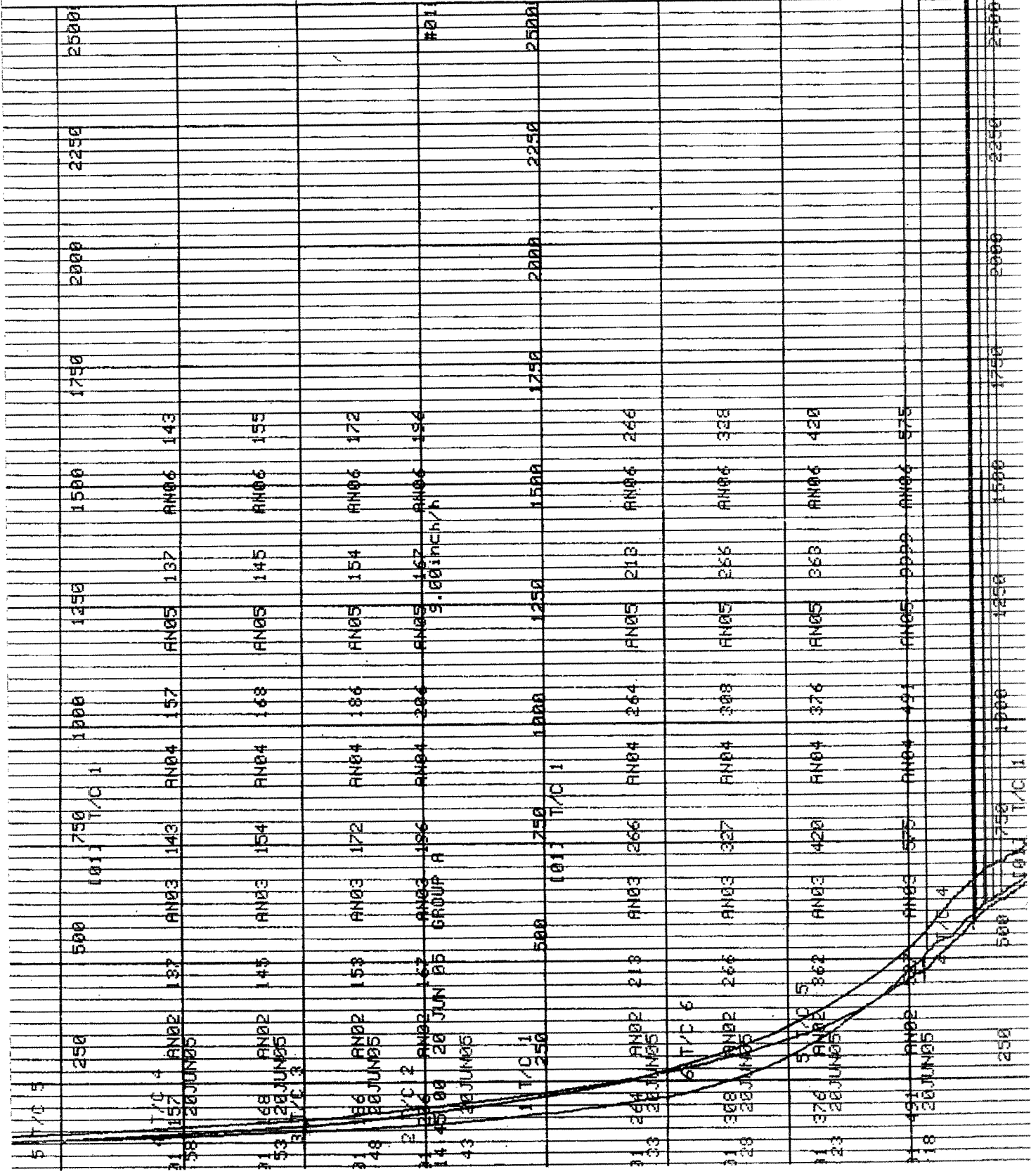

 Exotic Metal Treating, Inc.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6-20-05 COMPANY: Metal Tool
 LOAD #: 05-1106 MATERIAL: Alco 625
 QTY: 2 P/N: SE 120-003-1-4
65678-2414 PANEL SEGMENTS
 FURNACE: GF-3 ATMOS: AIR
 REF. SPEC: RMS-2774 ON REV: A
 RECORDER: DPR-05 TIME START: 11:45 AM

T/C 1 #01

4275 Ka

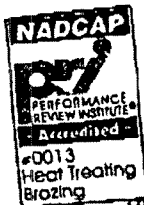






CORRECTED

Certificate of Conformance EXOTIC METAL TREATING INC.



Certificate # 49905

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03402 & P05-03403

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 # 05-1106

DATE SHIPPED 6-21-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-4

JOB #65678-4/4 & 65678-24/4 SEQ #30

MATERIAL: INCO 625

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

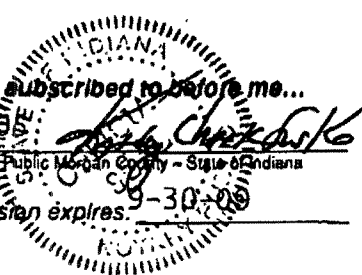
6-21-05
Receiver # 97286 line #1
+ 97287 line #1

Sworn and subscribed to before me...

on 6-21-05 [Signature]

Notary Public Morgan County - State of Indiana

My commission expires 9-30-08

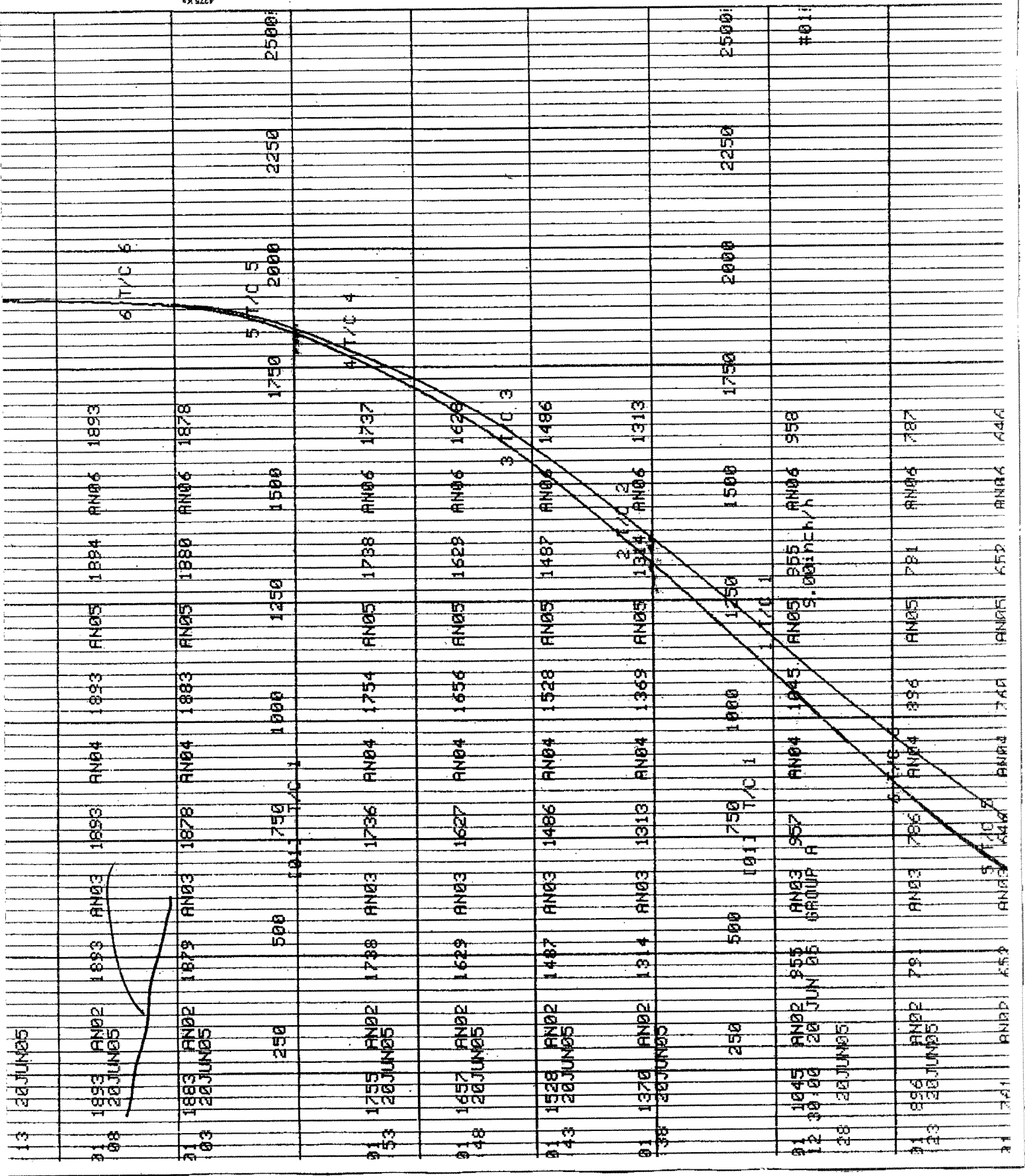


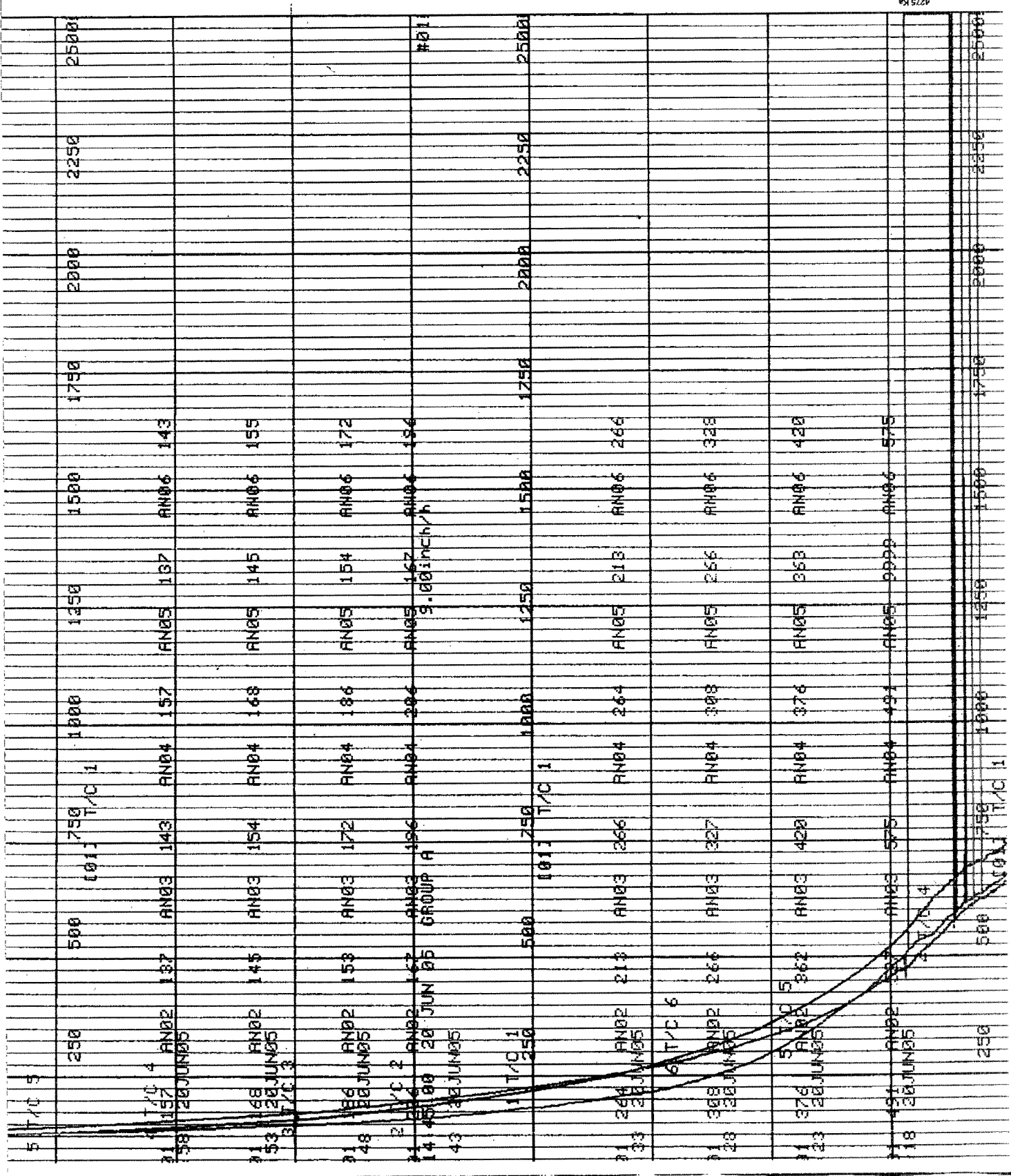
[Signature]
(Name)

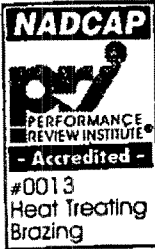


[Signature]
(Title)

4275 KA







Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49939

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03546 & P05-03555

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 # 05-1143

DATE SHIPPED 6-25-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-10

JOB #65678-5/4, 65678-25/5 SEQ #30

MATERIAL: INCO 625

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

*06-27-05
97558 line ① WX
97559 line ①*



Swear and subscribed to before me...

on 6-27-05 *[Signature]*
Notary Public Morgan County State of Indiana

My commission expires 06-30-09

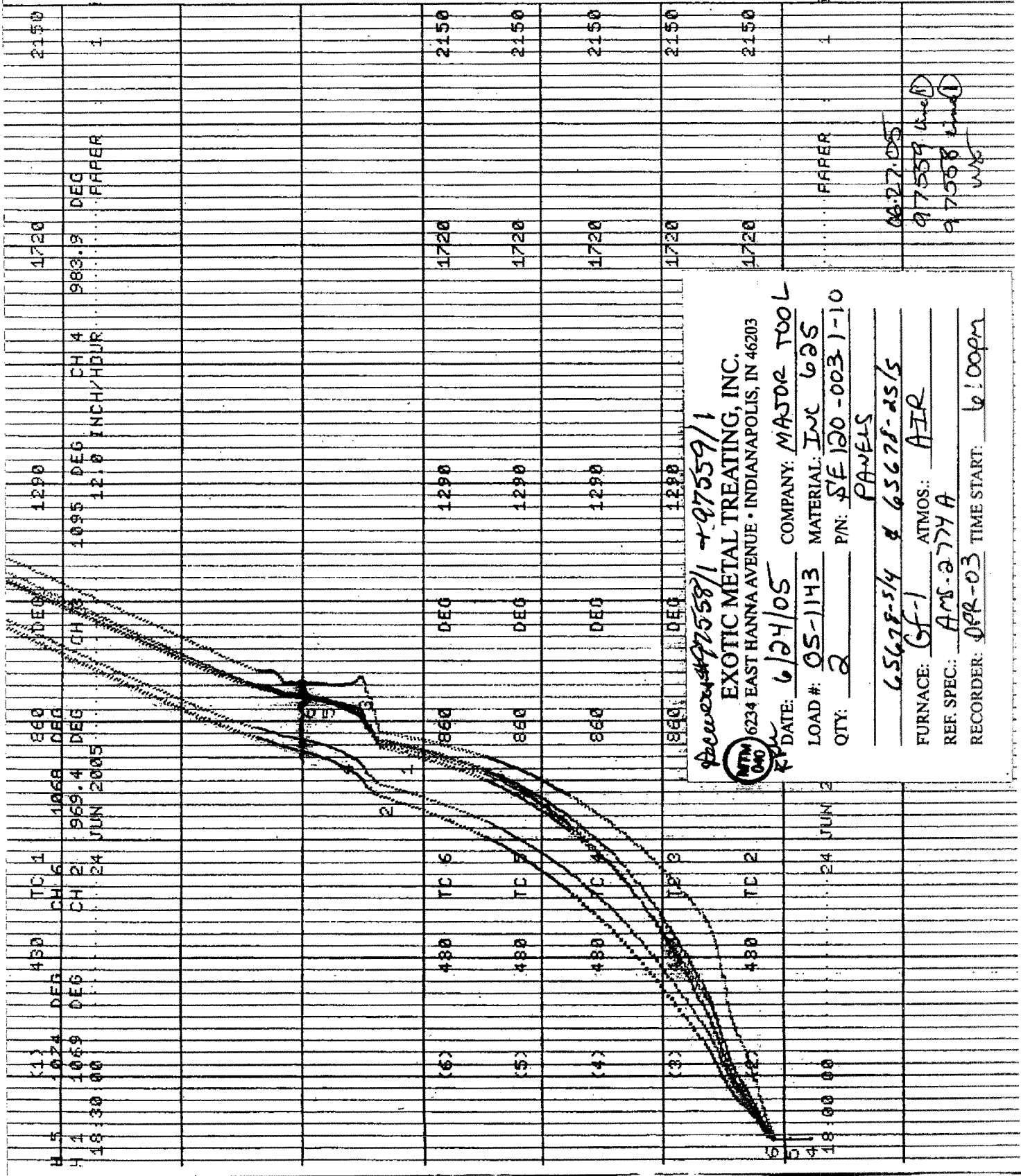
[Signature]

(Name)

[Signature]

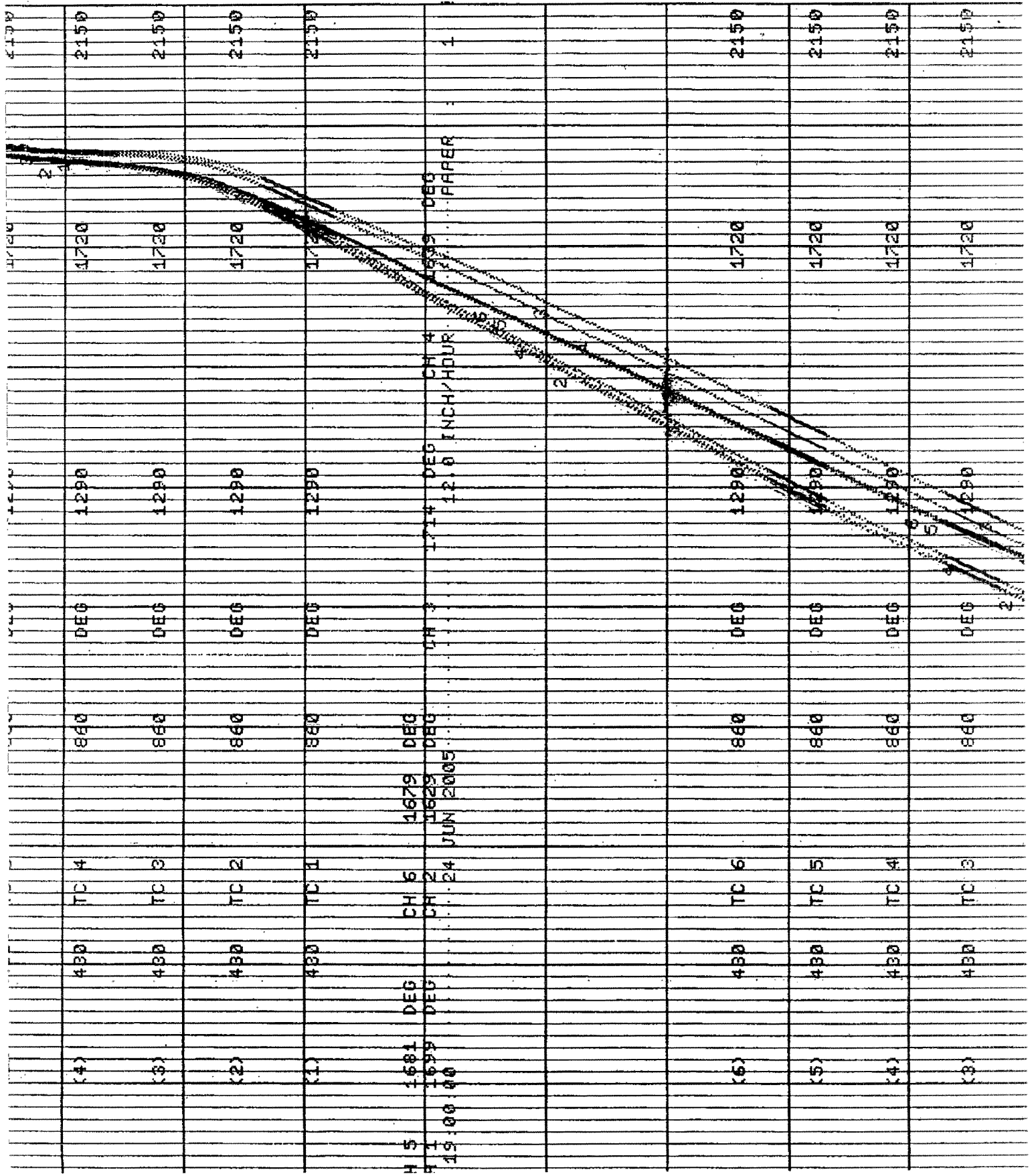
(Title)

4275 KA



Order # 97558/1 + 97559/1
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6/24/05 COMPANY: MAJOR TOOL
 LOAD #: 05-1143 MATERIAL: INVC 60S
 QTY: 2 P/N: SE 120-0031-10
 PAVETS
 FURNACE: 65678-54 & 65678-25/5
 REF. SPEC: AMS-2774A ATMOS: AIR
 RECORDER: QFR-03 TIME START: 6:00pm

06:27:05
 97559 line 1
 97558 line 1
 WNS



19:30:00	430	TC 5	860	DE0	1290	1720	2150	5 4 3 2 1
(6)	430	TC 5	860	DE0	1290	1720	2150	
(5)	430	TC 5	860	DE0	1290	1720	2150	
(4)	430	TC 4	860	DE0	1290	1720	2150	
(3)	430	TC 3	860	DE0	1290	1720	2150	
(2)	430	TC 2	860	DE0	1290	1720	2150	
(1)	430	TC 1	860	DE0	1290	1720	2150	0 5 4 3 2 1
19:30:00		24 JUN 2005			12.0 INCH/HOUR			FAFE 1
(6)	430	TC 6	860	DE0	1290	1720	2150	6 5



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 49980

Vendor Code # 107576

P.O. # P05-03720

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 # 05-1199

DATE SHIPPED 7-6-05

QUANTITY

DESCRIPTION

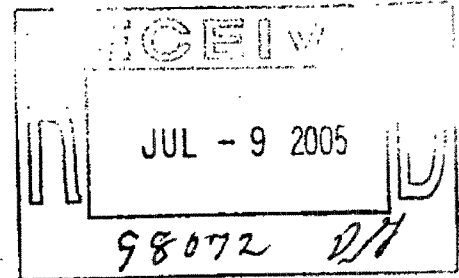
1 PC

#SE120-003-1-5

JOB #65678-5/4 SEQ #70

MATERIAL: INCO 625

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



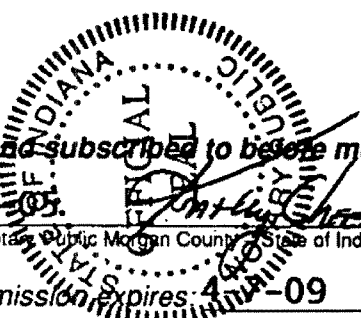
line 1

Sworn and subscribed to before me...

on 7-6-05

Notary Public Morgan County State of Indiana

My commission expires: 7-20-09

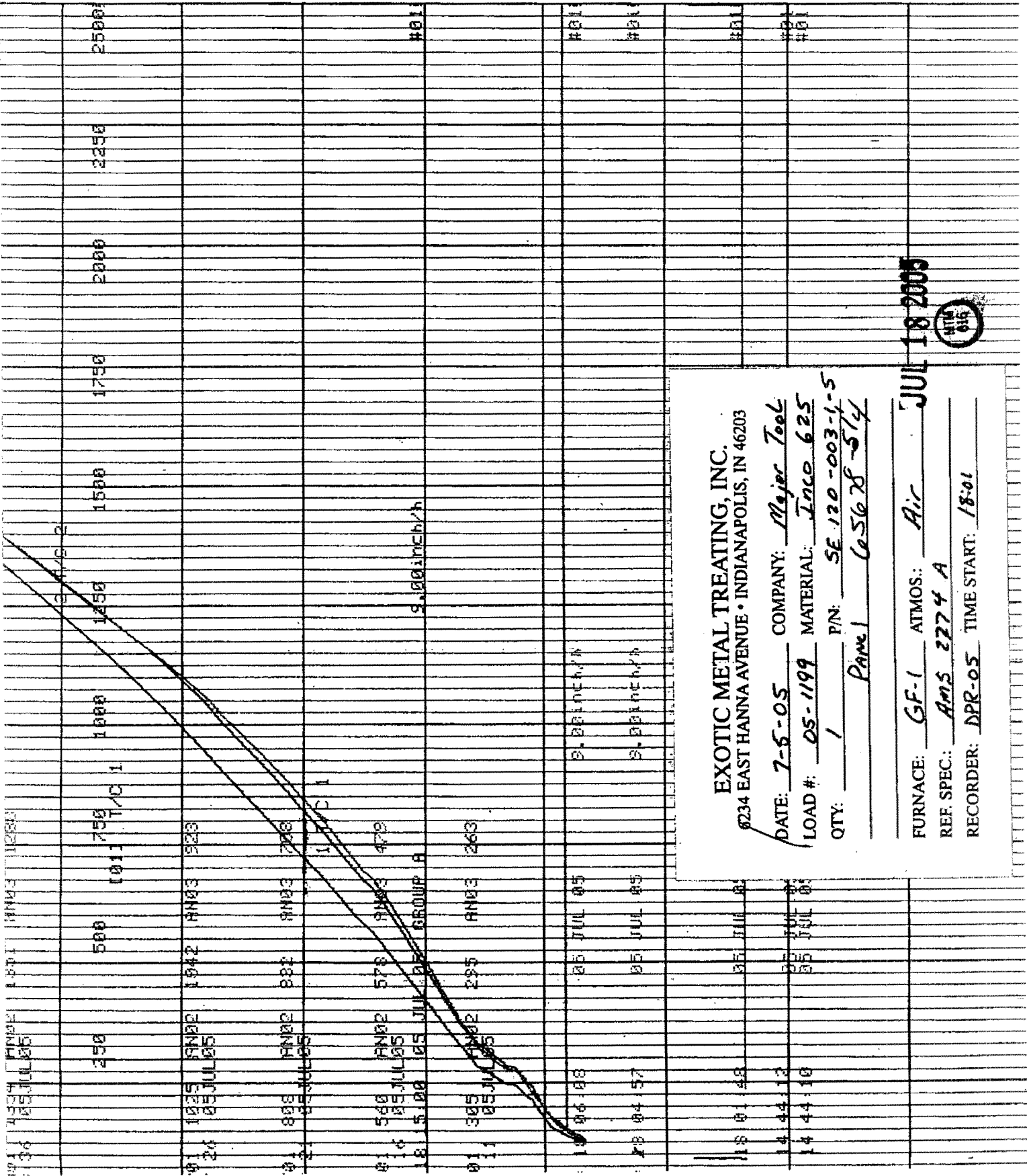


[Signature]

(Name)

[Signature]

(Title)



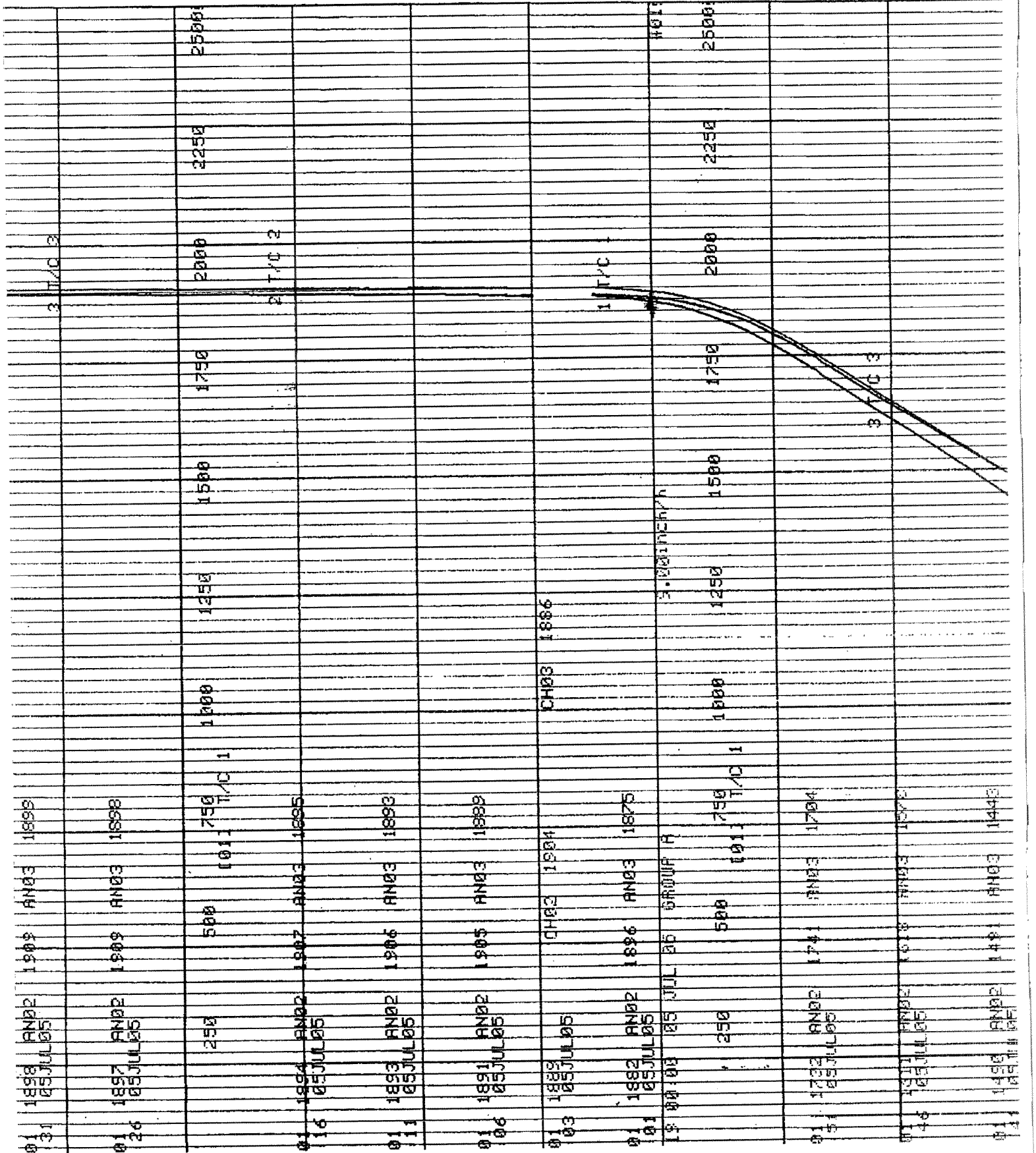
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 7-6-05 COMPANY: Major Tool
 LOAD #: 05-1199 MATERIAL: Inco 625
 QTY: 1 P/N: SE 120-003-1-5
Panel 6568-514

FURNACE: GF-1 ATMOS: Air **JUL 18 2005**
 REF. SPEC.: AMS 2274 A
 RECORDER: DPR-05 TIME START: 18:01

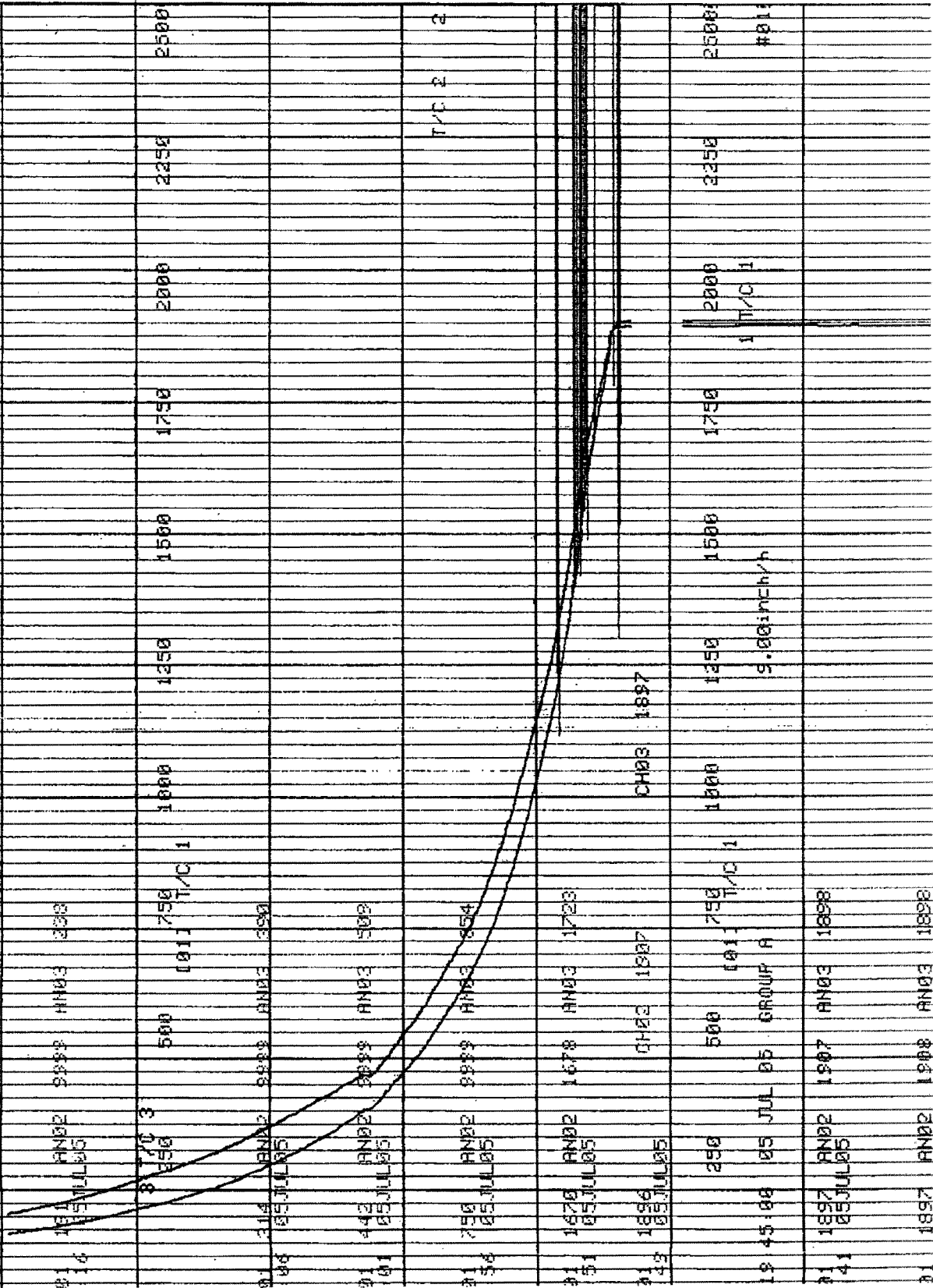


4275 Ka



4275 Ka

20:15 05 JUL 05 PRINT INHIBIT



T/C 1

5.00 inch/h

T/C 1

GROUP A

05 JUL 05

1907 AN03 1898

1908 AN03 1898



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49935

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-03547

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 # 05-1139

DATE SHIPPED 6-24-05

QUANTITY

DESCRIPTION

1 PC

#SE120-003-1-10

JOB #65678-25/4 SEQ #30

MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A

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

& RAPID AIR COOLED.

06.27.05
97554

line 1 wx

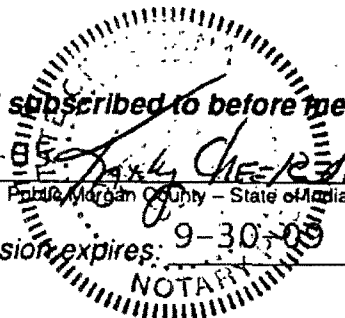


PKU

Sworn and subscribed to before me...

on 6-24-05 [Signature]
Notary Public, Morgan County - State of Indiana

My commission expires: 9-30-05



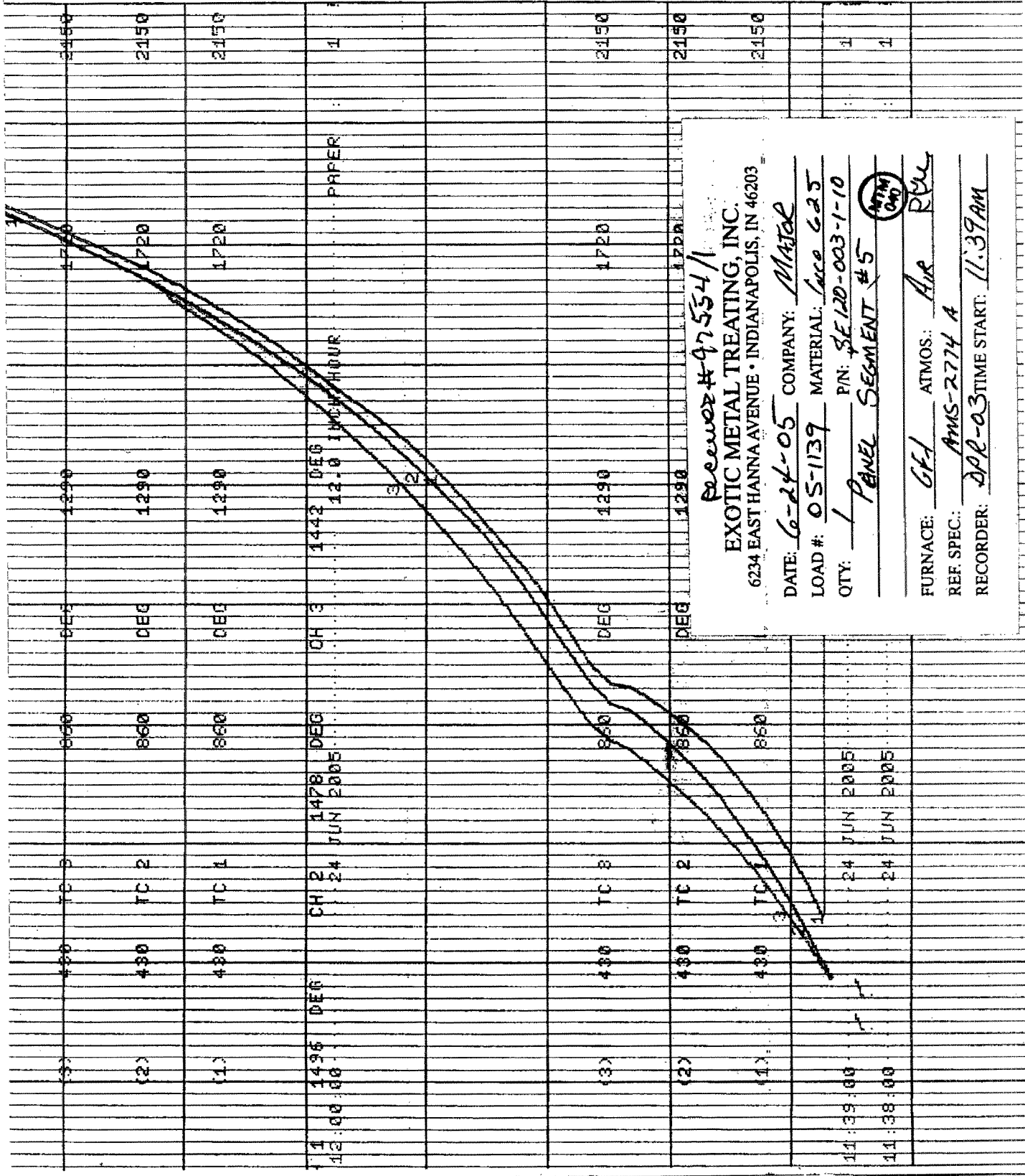
[Signature]

(Name)

QA

(Title)

4275 K4



Renewer # 97554 /
 EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6-24-05 COMPANY: MATOL
 LOAD #: 05-1139 MATERIAL: Loce 6.25
 QTY: 1 P/N: SE 120-003-1-10
PANEL SEGMENT # 5
 FURNACE: GFL ATMOS: Air
 REF. SPEC: AMS-2774 A
 RECORDER: DPR-03 TIME START: 11:39 AM

1 1496 DEG CH 2 1478 DEG CH 3 1442 DEG 12.0 INCH HOUR PAPER 1
 12:00:00 24 JUN 2005
 2 430 DEG TC 2 860 DEG 1720 2150
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 11:39:00 24 JUN 2005
 11:38:00 24 JUN 2005

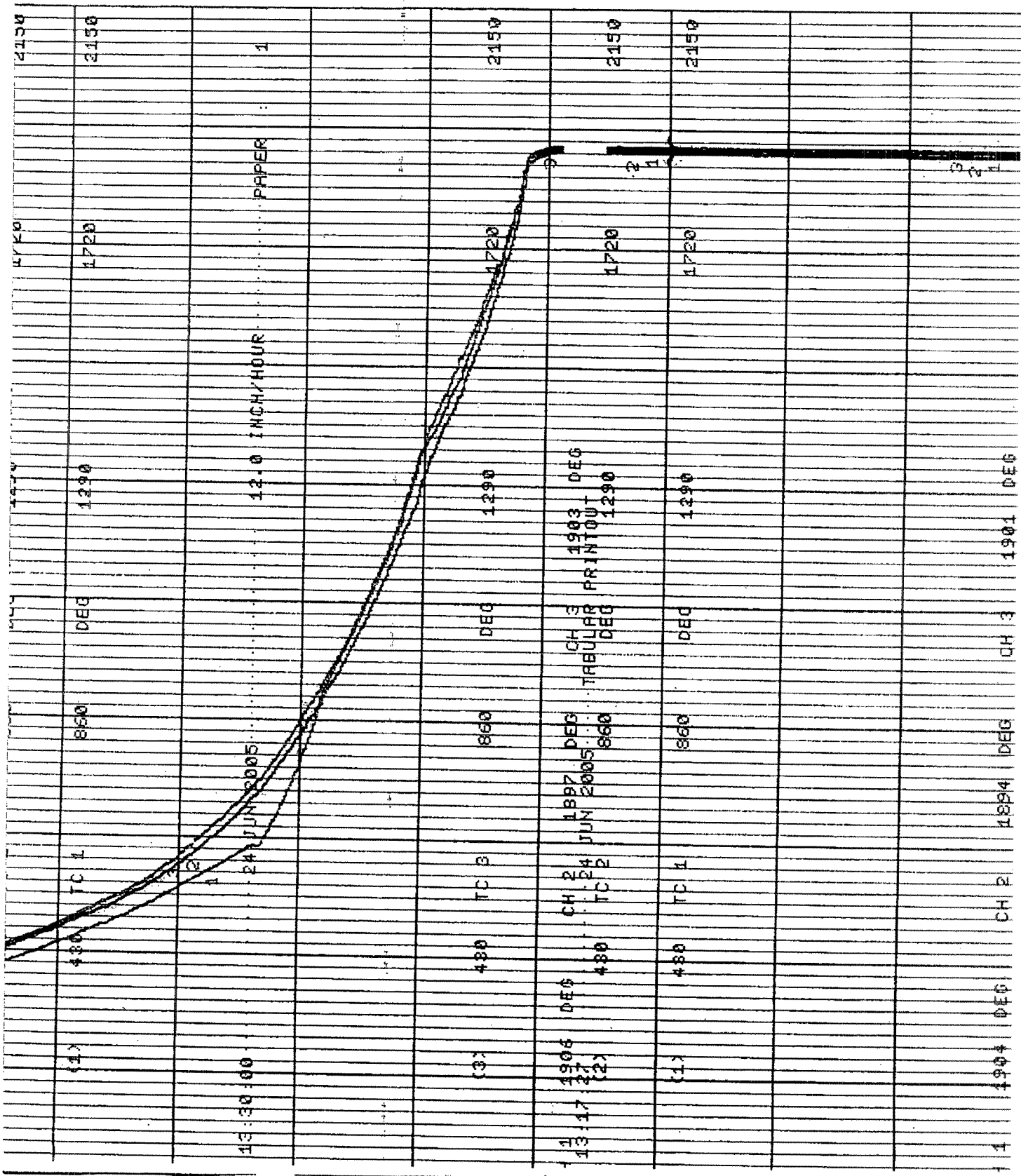
4275 Ks

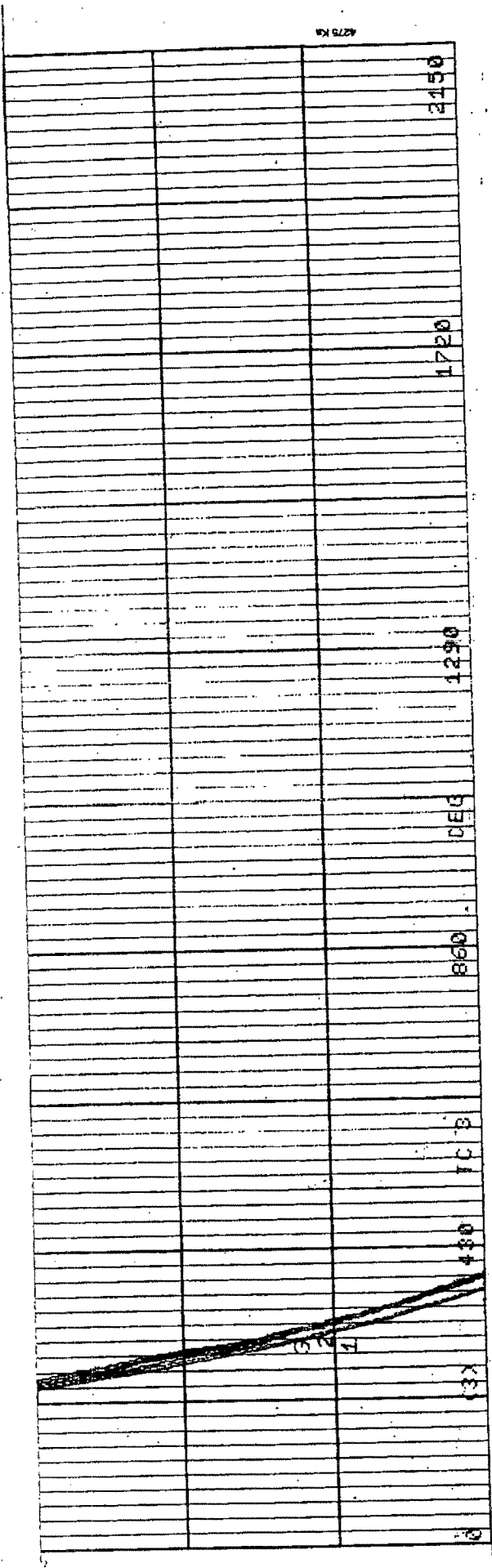
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(2)	480	TC 2	860	DEC	1290	1720	2150
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(3)	480	TC 3	860	DEC	1290	1720	2150
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(1)	480	TC 1	860	DEC	1290	1720	2150

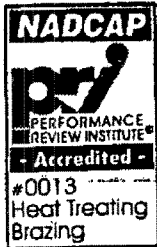
12:30:00
 1992 DEC 24 JUN 2005
 CH 2
 CH 3
 12.0 INCH/HOUR
 PAPER

3
 2
 1

3
 2
 1







Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

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

Certificate # 50151

Vendor Code # 107576

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

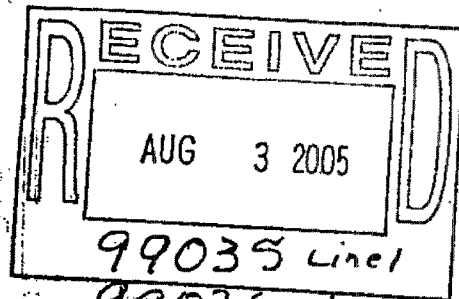
JOB #65678-6/5, 65678-26/5, 65678-6/6,

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



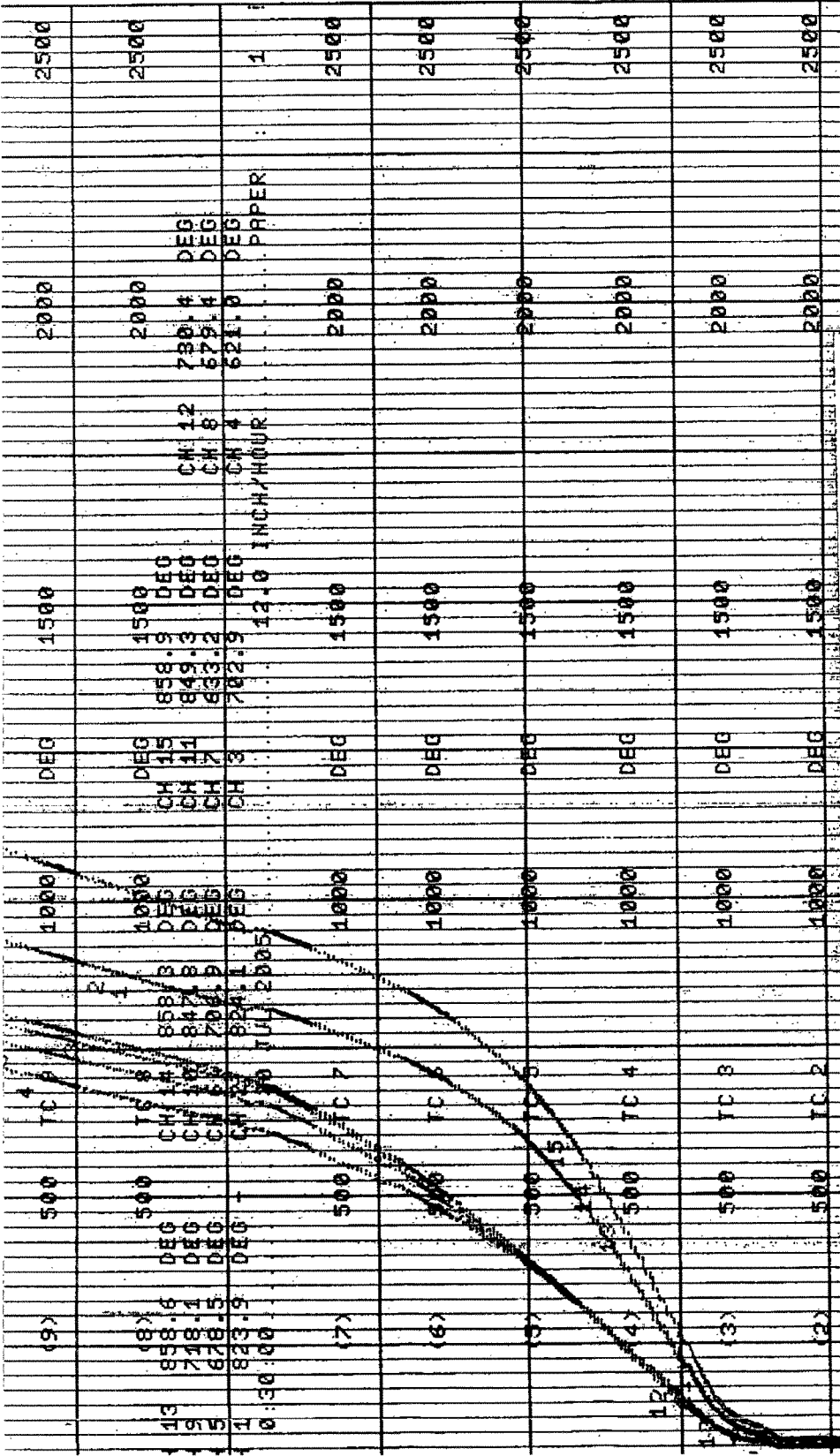
Sworn and subscribed to before me...

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

My commission expires 9-30-09

(Name)

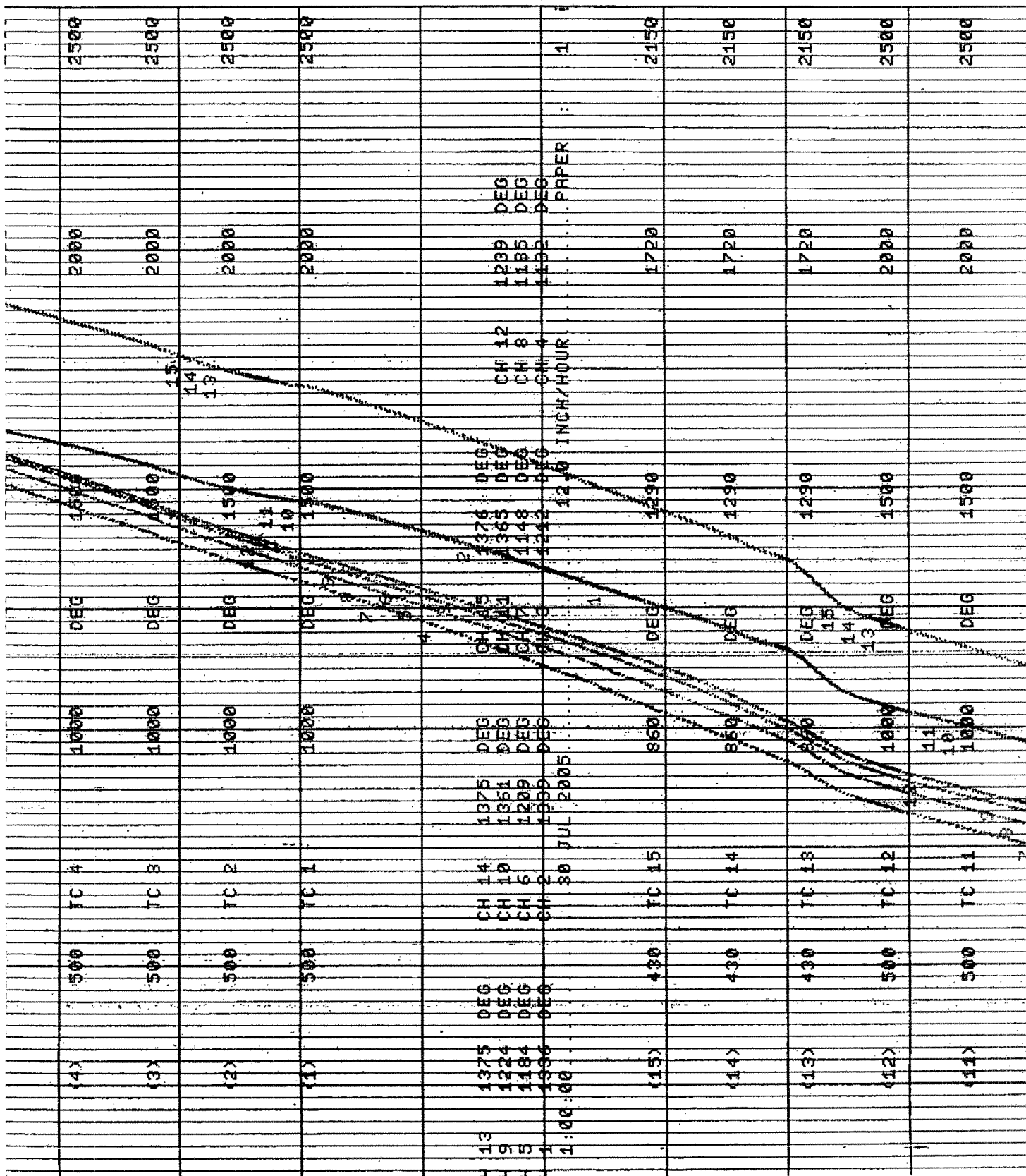
PT (Title)



EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7/30/05 COMPANY: MAJOR
 LOAD #: 05-1396 MATERIAL: INL 625
 QTY: 5 P/N: SF 130-003-1-10
 PANEL 65678-4/5, 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

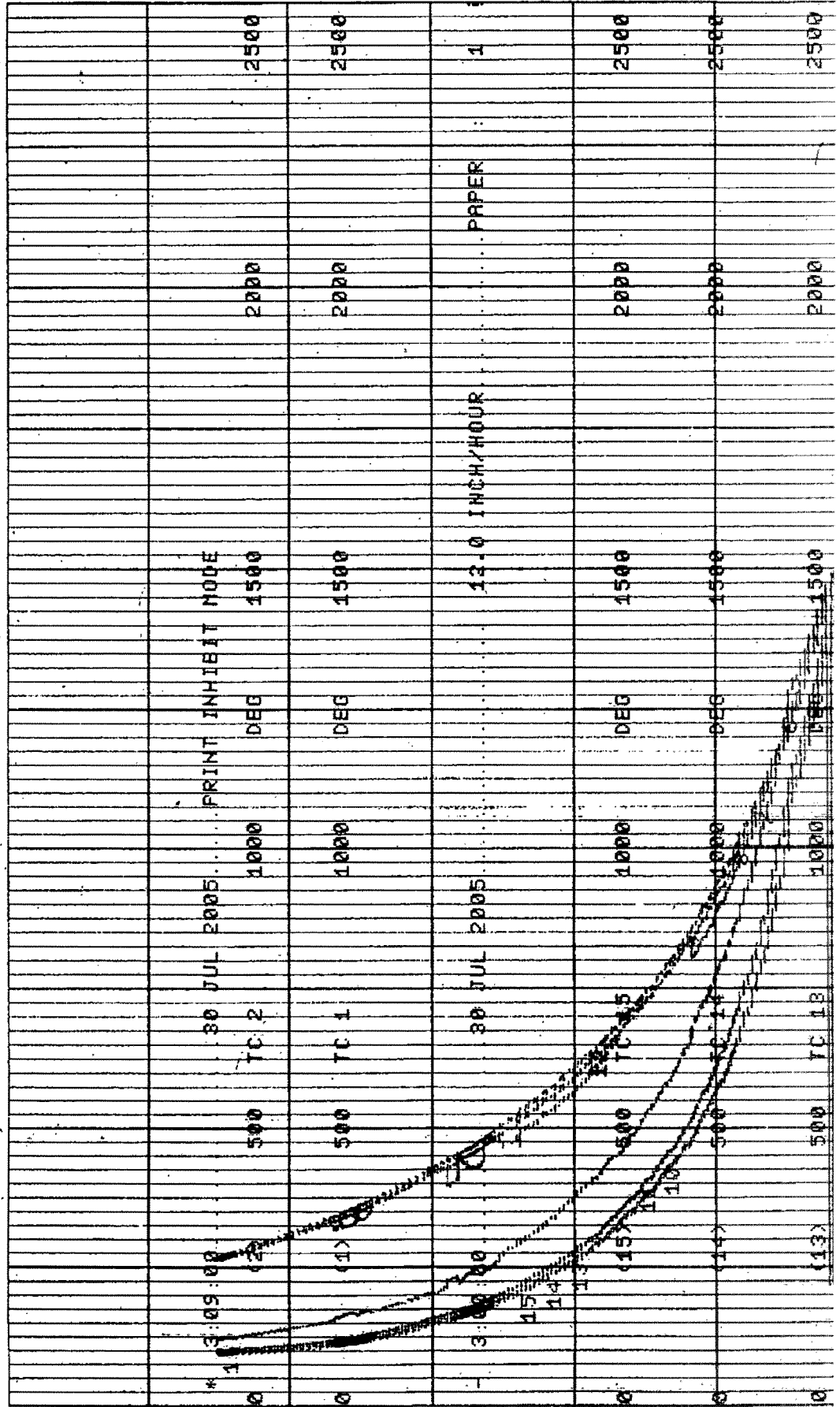
2500
 2000
 1500
 1000
 500
 0
 0:05:00 0:10:00 0:15:00 0:20:00 0:25:00 0:30:00
 TC 1
 TC 2
 TC 3
 TC 4
 TC 5
 TC 6
 TC 7
 PAPER 1

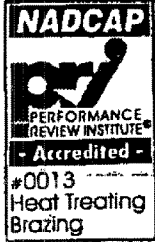
4275 K



4275 Ka

2:00:00	500	TC 15	30 JUL 2005	1000	DEG	1500	12.0	INCH/HOUR	2000	PAPER	2500
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15	1900	DEG	CH 10	1904	DEG	1906	DEG	CH 8	1894	DEG	2500
17	1894	DEG	CH 6	1899	DEG	1898	DEG	CH 4	1885	DEG	2500
19	1885	DEG	CH 2	1906	DEG	1898	DEG	TABULAR PRINTOUT			2500
21	1885	DEG	CH 2	2005	DEG						2500
(14)	500	TC 14		1000	DEG	1500			2000		2500
(13)	500	TC 13		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
<p>#13, 14, 15 RANGE SETTING 11:50AM (8) 500 TC B RESERVE 1500</p>											
13	1737	DEG	TC 7	1000	DEG	1500			2000		2500
15	1699	DEG	CH 14	1737	DEG	1738	DEG	CH 12	1704	DEG	2500
17	1671	DEG	CH 10	1728	DEG	1730	DEG	CH 8	1672	DEG	2500
19	1711	DEG	CH 6	1697	DEG	1650	DEG	CH 4	1595	DEG	2500
21	1711	DEG	CH 2	1711	DEG	1683	DEG	CH 4	1595	DEG	2500
1:30:00	500	TC 6	30 JUL 2005	1000	DEG	1500	12.0	INCH/HOUR	2000	PAPER	2500





Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

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

Certificate # 50151

Vendor Code # 107576

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

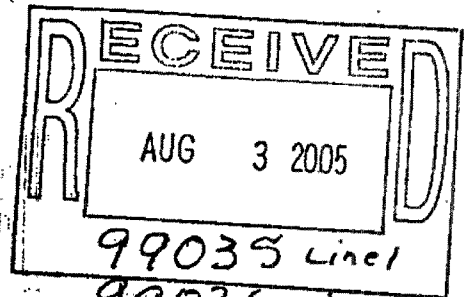
JOB #65678-6/5, 65678-26/5, 65678-6/6,

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.

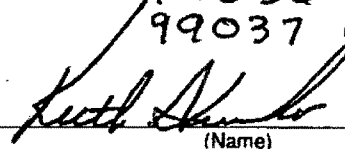
AUG 04 2005




Sworn and subscribed to before me...

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

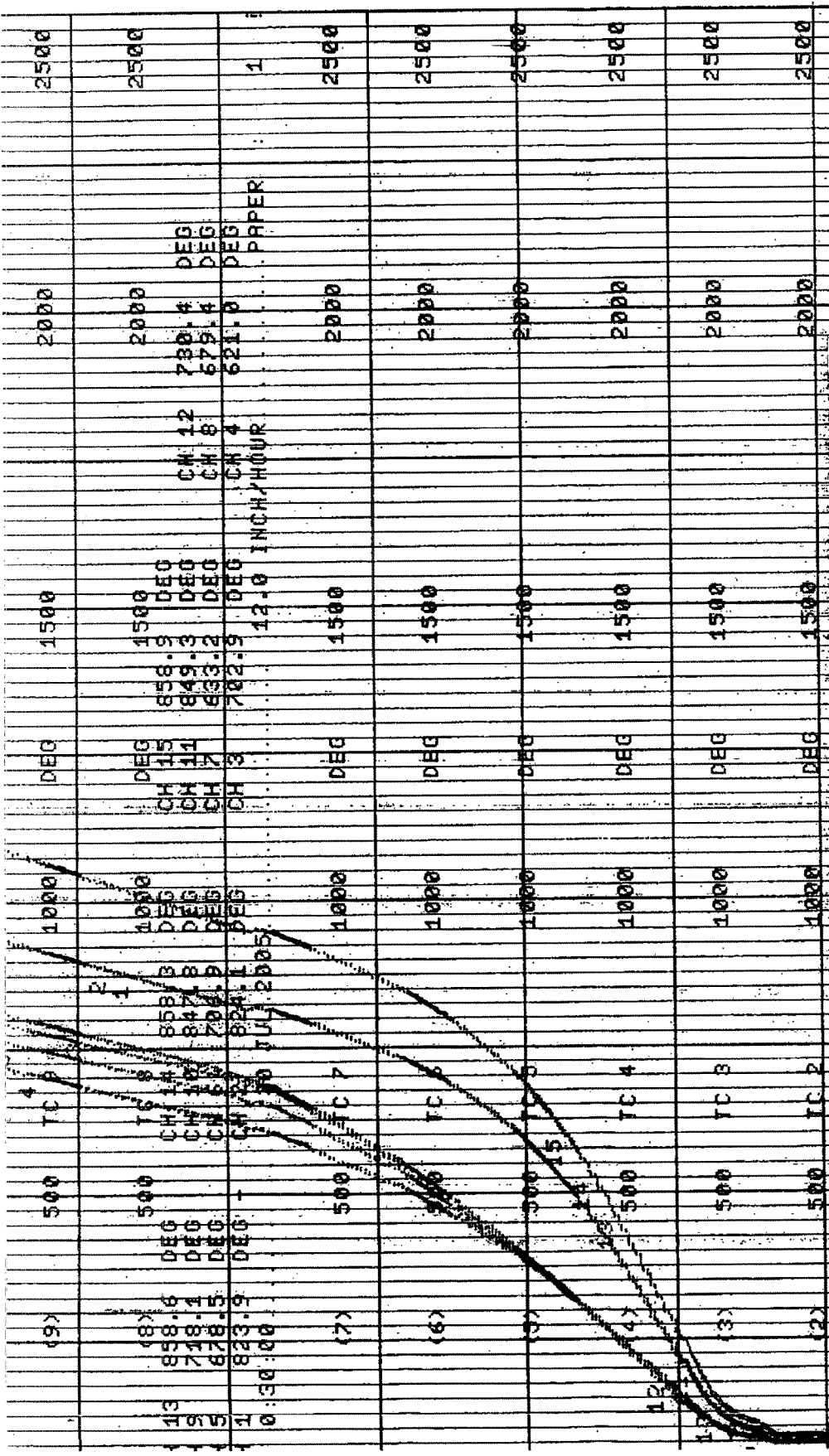
My commission expires 9-30-09



(Name)



(Title)



EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7/30/05 COMPANY: MAJOR
 LOAD #: 05-1396 MATERIAL: INL 625
 QTY: 5 P/N: SF 190-003-1-10
 PANEL: 65678-6/5, 65678-26/5, 65678-6/6
65678-6/4 65678-26/7
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: APP-01 TIME START: 12:07AM

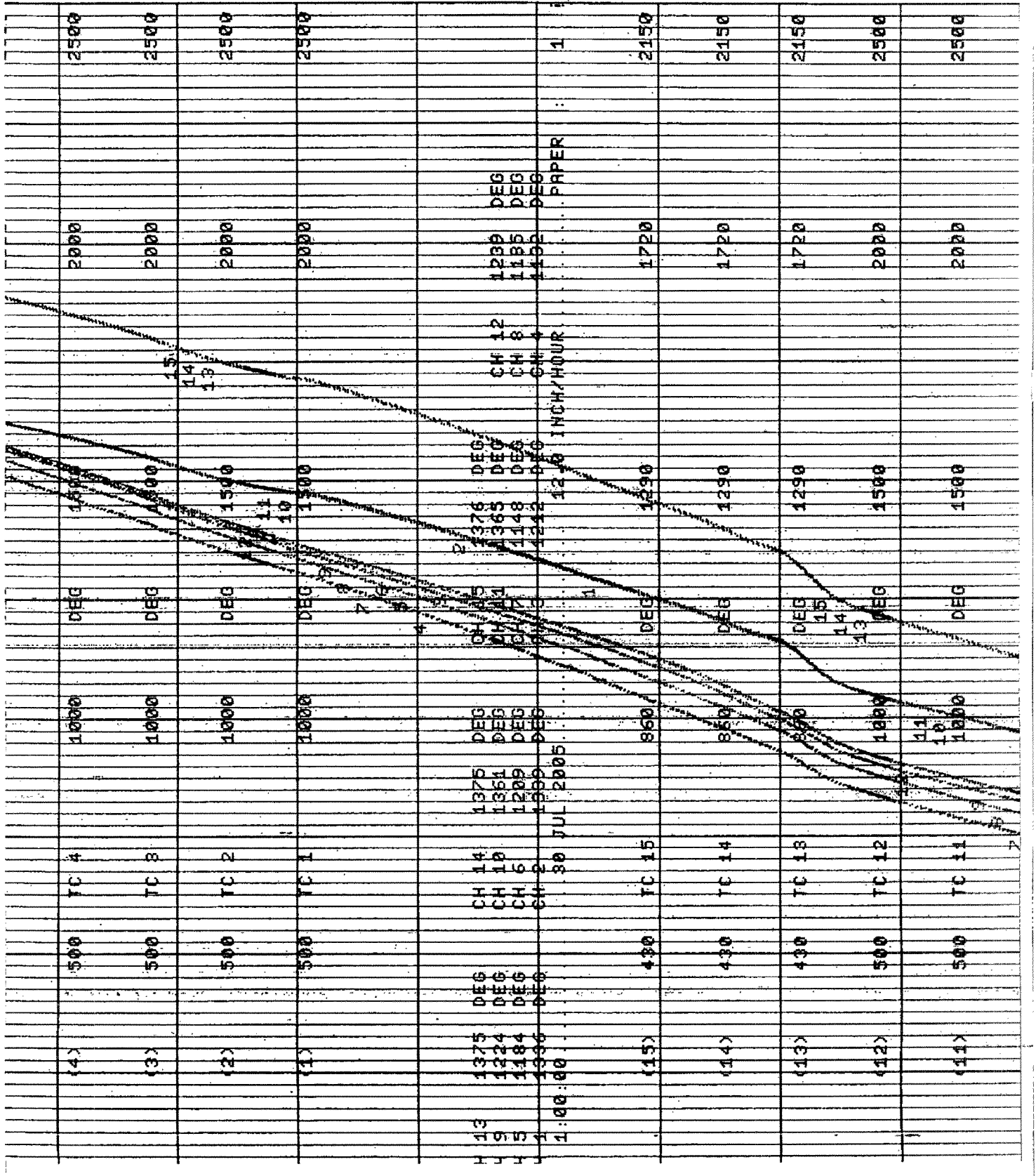
PAPER

1

30 JUL 2

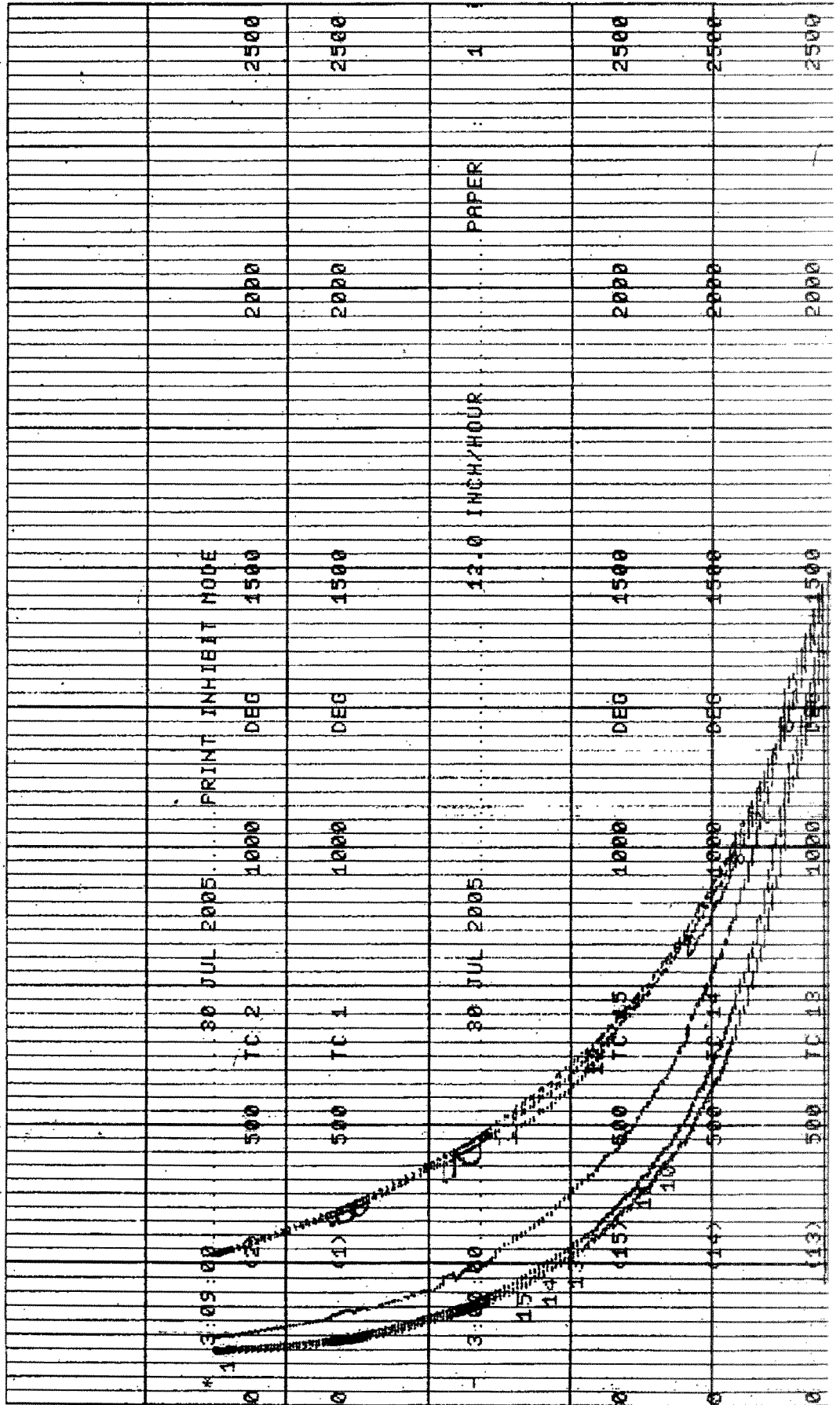
0:09:00

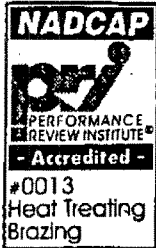
4275K



4275 Ka

2:00:00	500	TC 15	30 JUL 2005	1000	DEG	1500	12.0 INCH/HOUR	2000	PAPER	2500
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15	1900	DEG	CH 10	1904	DEG	1906	DEG	1894	DEG	2500
17	1874	DEG	CH 6	1899	DEG	1888	DEG	1885	DEG	2500
19	1905	DEG	CH 2	1906	DEG	1898	DEG			2500
			CH 30	JUL 2005	TABULAR PRINTOUT					
(14)	500	TC 14		1000	DEG	1500		2000		2500
(13)	500	TC 13		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
<p>#13, 14, 15 RANGE SETTING (8) 500 TC B RESON 1.415 DEG 8.750 1500</p>										
13	1737	DEG	TC 7	1000	DEG	1500		2000		2500
15	1699	DEG	CH 14	1737	DEG	1738	DEG	1704	DEG	2500
17	1671	DEG	CH 10	1728	DEG	1730	DEG	1572	DEG	2500
19	1711	DEG	CH 6	1687	DEG	1650	DEG	1539	DEG	2500
			CH 2	1711	DEG	1683	DEG			
1:30:00			CH 30	JUL 2005		12.0 INCH/HOUR			PAPER	2500
(8)	500	TC 6		1000	DEG	1500		2000		2500





Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

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

Certificate # 50160

Vendor Code # 107576

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

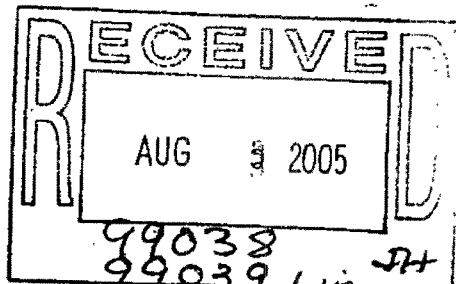
JOB #65678-7/4, 65678-27/5, 65678-7/5,

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 8-03-05
Notary Public Morgan County - State of Indiana

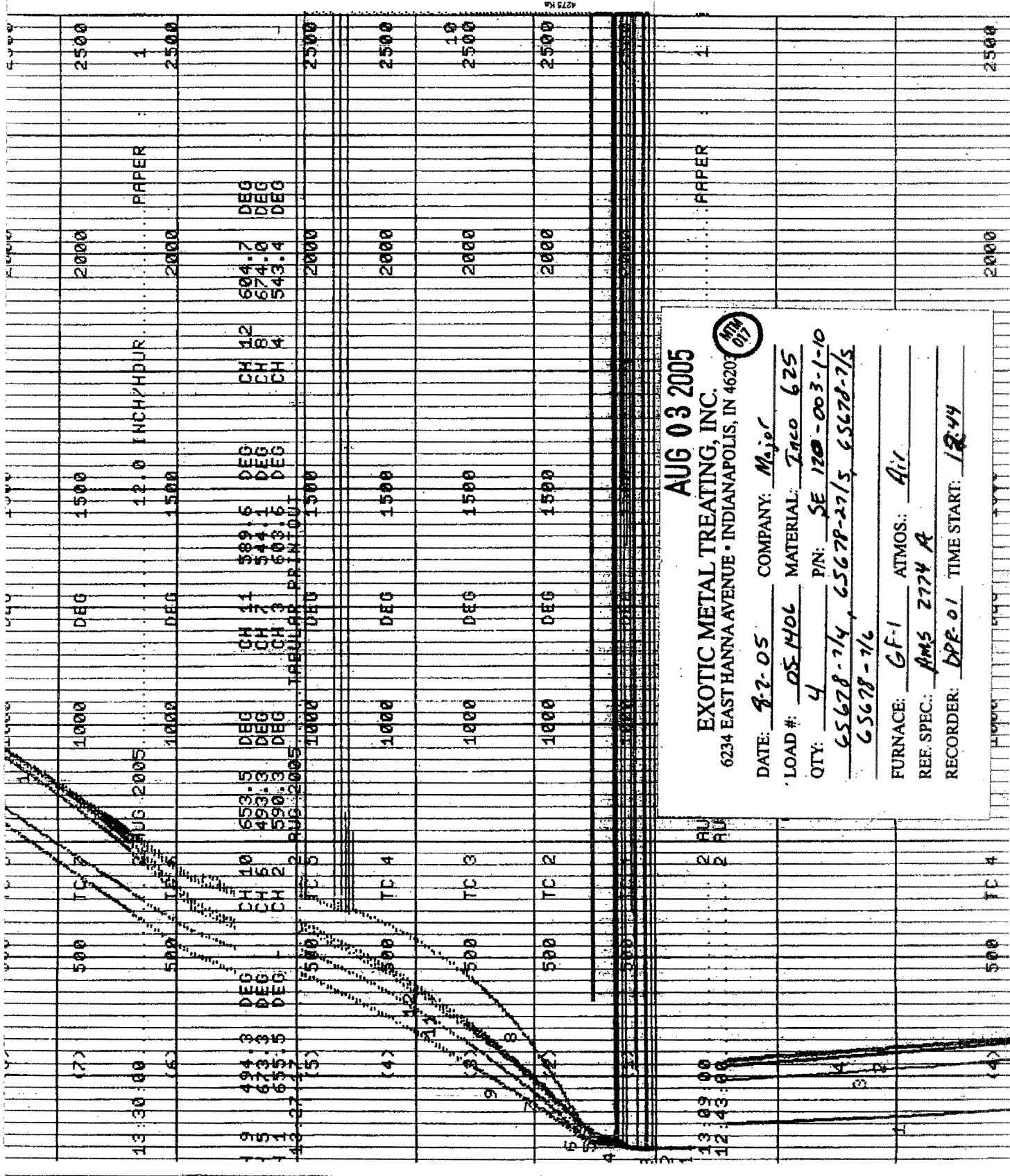
My commission expires 9-30-09

[Signature]

(Name)

DI

(Title)



AUG 03 2005

EXOTIC METAL TREATING, INC.

6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46204

DATE: 8-2-05 COMPANY: Major

LOAD #: 05-MDL MATERIAL: Inco 625

QTY: 4 P/N: SE 120-003-1-10

65678-7/4, 65678-27/5, 65678-7/5

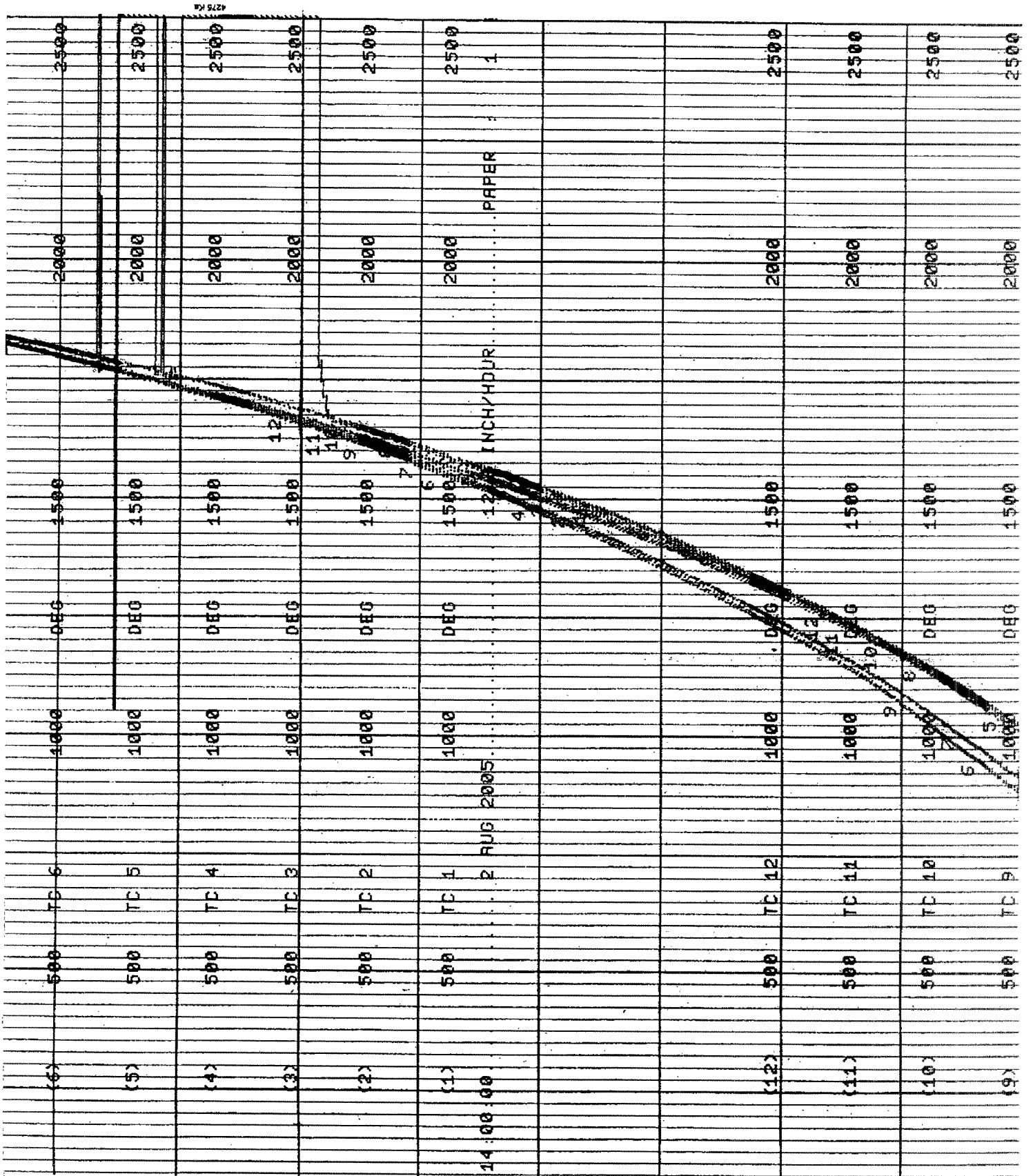
65678-7/6

FURNACE: GF-1 ATMOS: Air

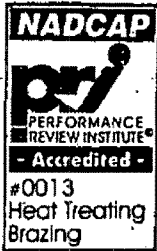
REC. SPEC: AMS 2774 A

RECORDER: DPE-01 TIME START: 12:44

MMP 017



TIME	DATE	DESCRIPTION	AMOUNT	DEBIT	CREDIT	INCH	HDJR	PAPER	1
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(2)		TC 2	500	DEB	1000	1500		2000	2500
(1)		TC 1	500	DEB	1000	1500		2000	2500
(4)		TC 12	500	DEB	1000	1500		2000	2500
(11)		TC 11	500	DEB	1000	1500		2000	2500
1893		CH 11		DEB				1897	DEG
1892		CH 10		DEB				1894	DEG
1894		CH 9		DEB				1892	DEG
14:35:53	2 AUG 2005	CH 2		DEB					
		CH 3		DEB					
		CH 4		DEB					
		CH 5		DEB					
		CH 6		DEB					
		CH 7		DEB					
		CH 8		DEB					
		CH 9		DEB					
		CH 10		DEB					
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		CH 96		DEB					
		CH 97		DEB					
		CH 98		DEB					
		CH 99		DEB					
		CH 100		DEB					



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

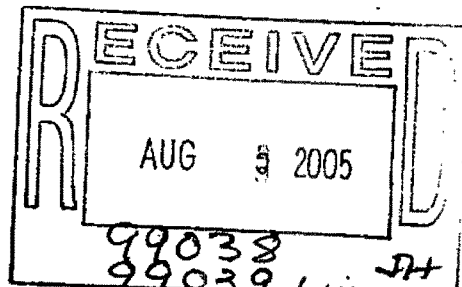
#SE120-003-1-10

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.

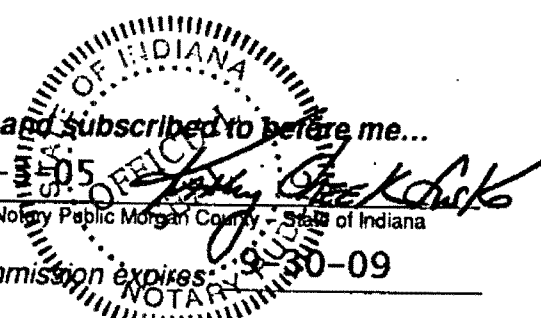
AUG 03 2005



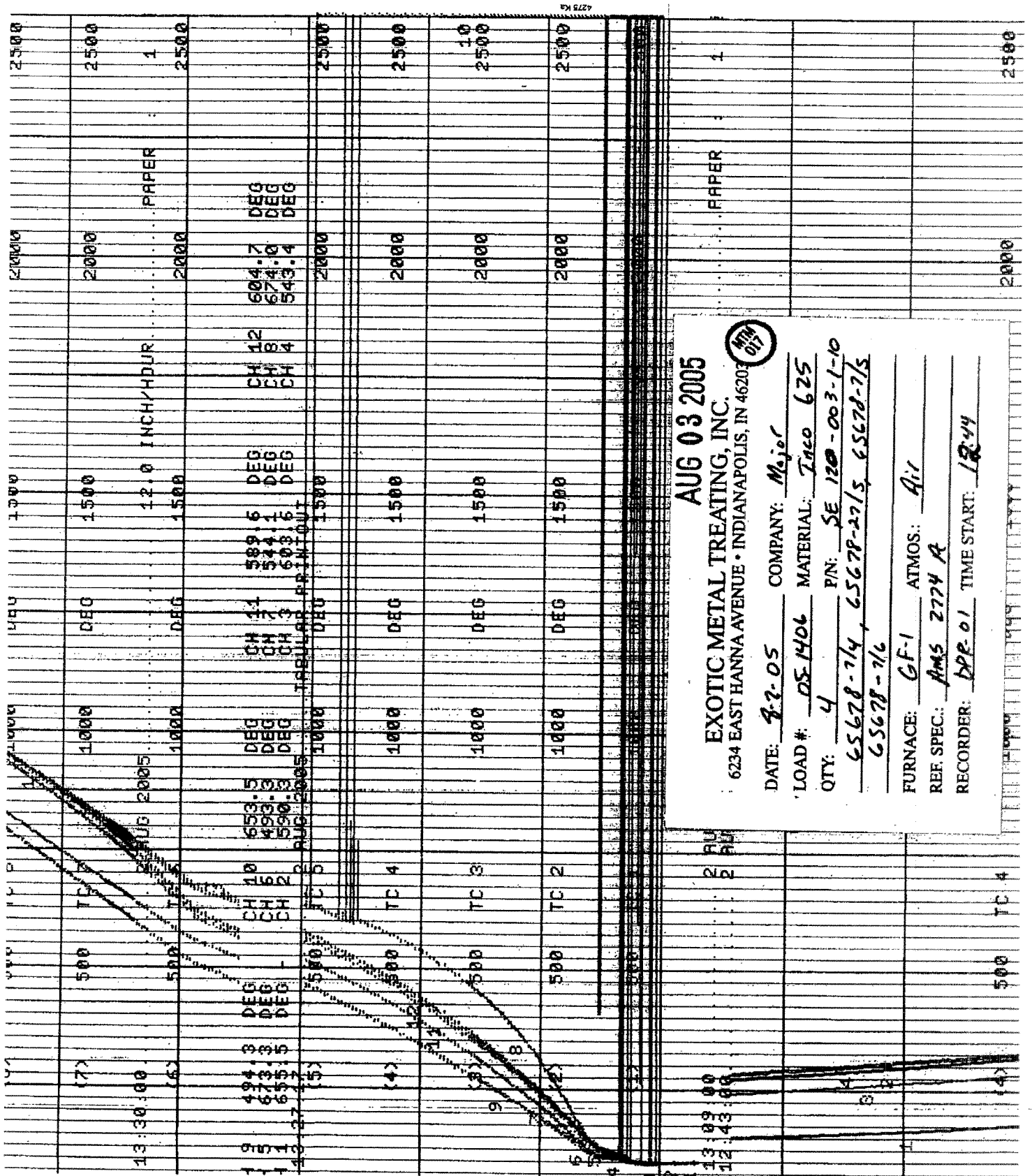
Sworn and subscribed to before me...

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

My commission expires: 9-30-09



[Signature]
(Name)
QA
(Title)



AUG 03 2005

EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46204

DATE: 8-2-05 COMPANY: Major

LOAD #: DS 1406 MATERIAL: Taco 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: DPR-01 TIME START: 12:44



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1500

1000

500

13:30:00

12:43:00

2500

2000

1500

1000

500

13:30:00

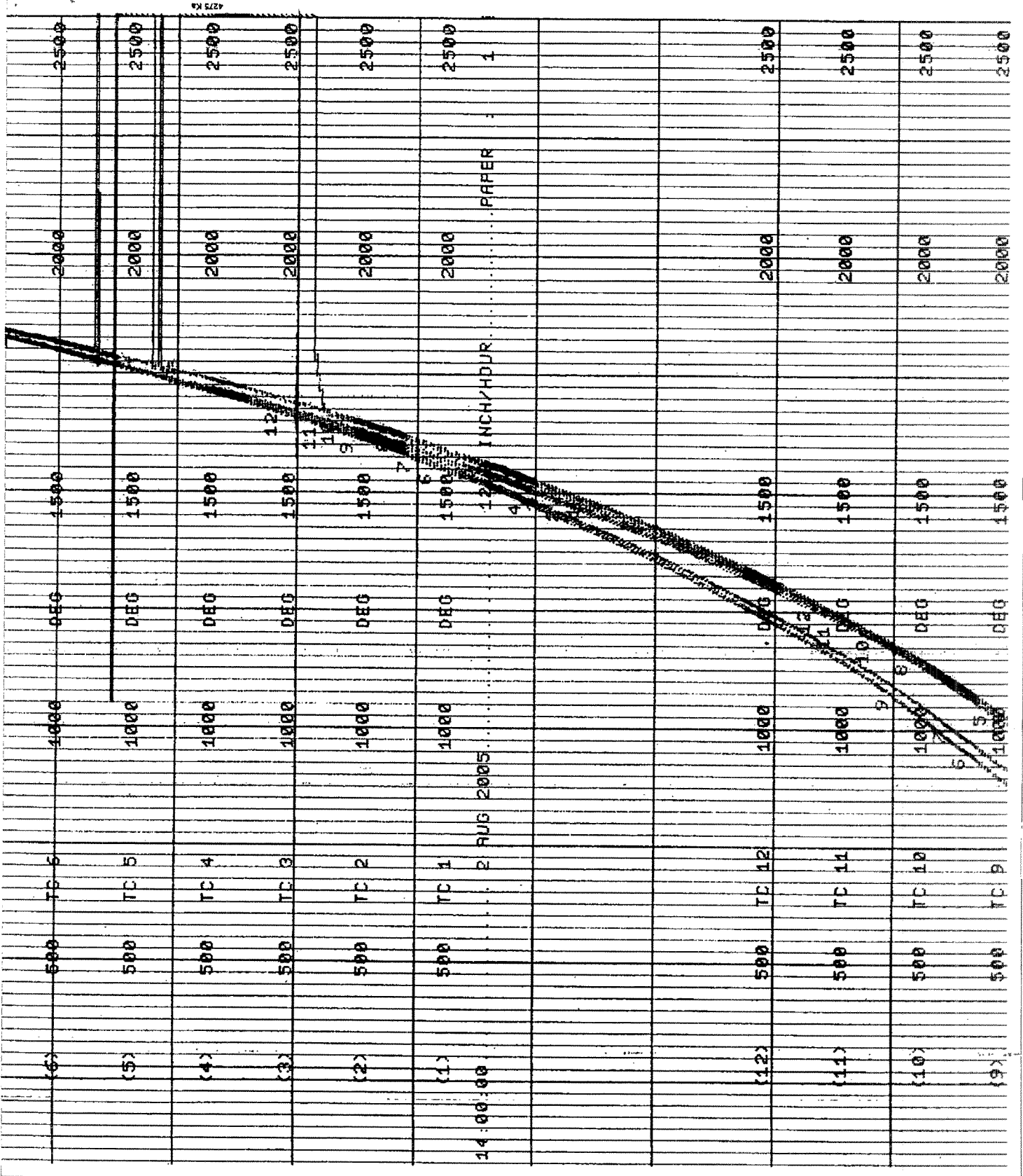
12:43:00

PAPER

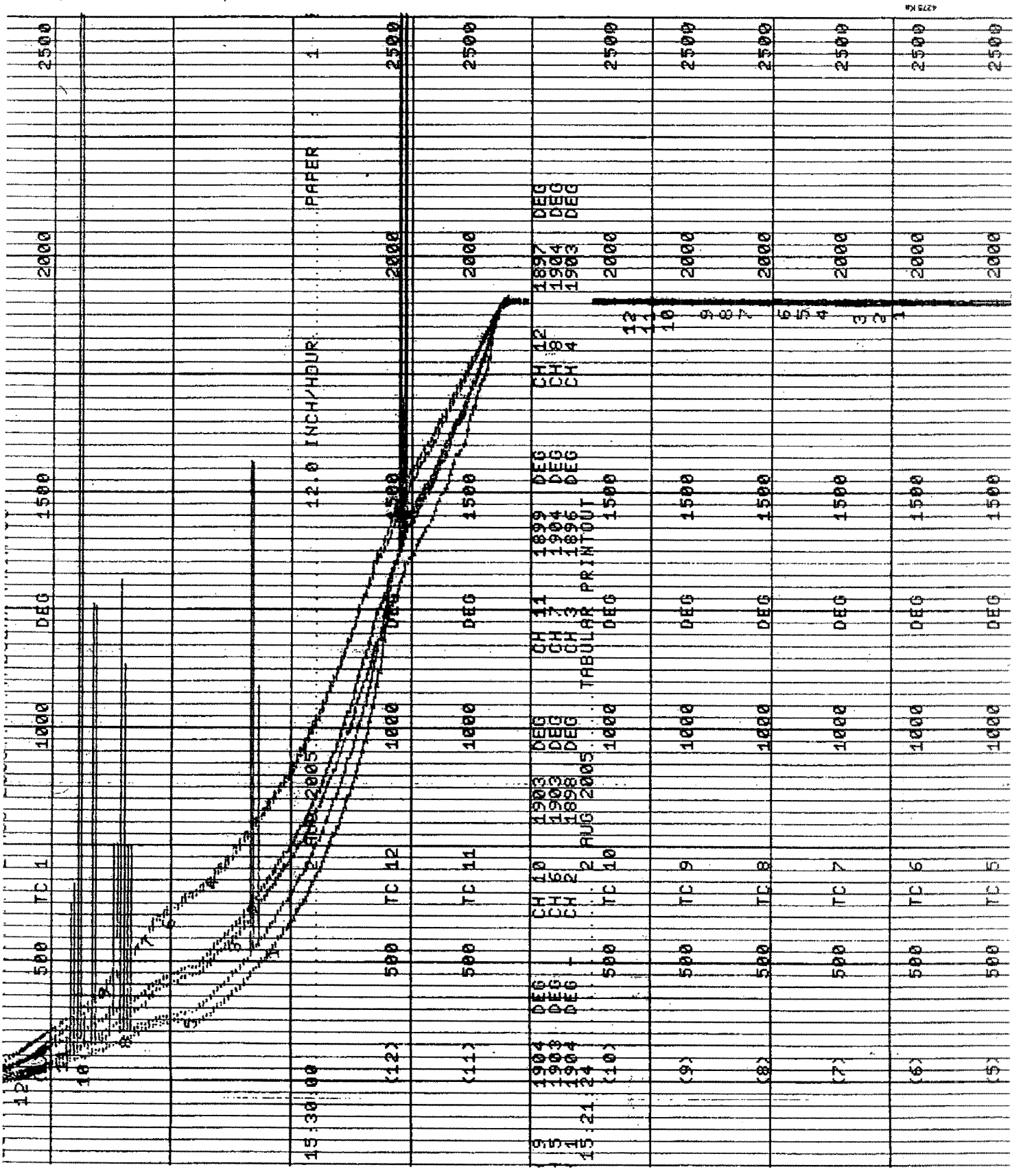
PAPER

PAPER

PAPER



TIME	DATE	DESCRIPTION	AMOUNT	UNIT	PRICE	TOTAL	REMARKS
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(2)	TC 2		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
(1)	TC 1		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
(4)	TC 12		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
(11)	TC 11		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
1893	CH 10						1887 DEG
1892	CH 10						1894 DEG
1894	CH 2						1892 DEG
14:35:53	2 AUG 2005					12.0 INCH/HOUR 2000 2500
(10)	TC 10		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
1882	CH 10						1877 DEG
1882	CH 15						1883 DEG
1881	CH 2						1876 DEG
14:30:00	2 AUG 2005					12.0 INCH/HOUR 2000 2500
(9)	TC 9		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500
(8)	TC 8		500	DEG	1000	500	12.0 INCH/HOUR 2000 2500



12.0 INCH/HOUR

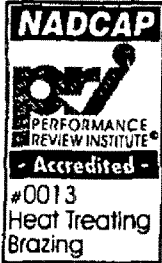
12.0 INCH/HOUR

2005

PAPER

#275 K

15:50:00	TC 1	500	DEG	1500	2000	2500
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15:48:00	TC 1	500	DEG	1500	2000	2500
15:47:00	TC 1	500	DEG	1500	2000	2500
15:46:00	TC 1	500	DEG	1500	2000	2500
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15:03:00	TC 1	500	DEG	1500	2000	2500
15:02:00	TC 1	500	DEG	1500	2000	2500
15:01:00	TC 1	500	DEG	1500	2000	2500
15:00:00	TC 1	500	DEG	1500	2000	2500



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

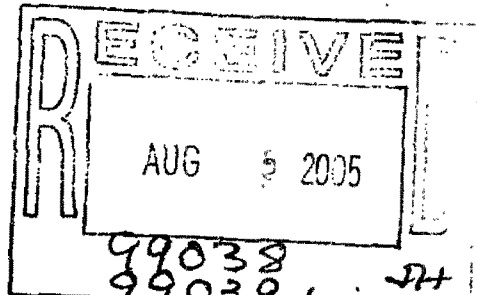
#SE120-003-1-10

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.

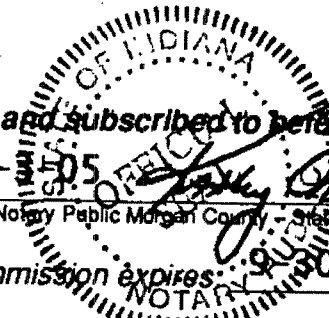
AUG 03 2005



Sworn and subscribed to before me...

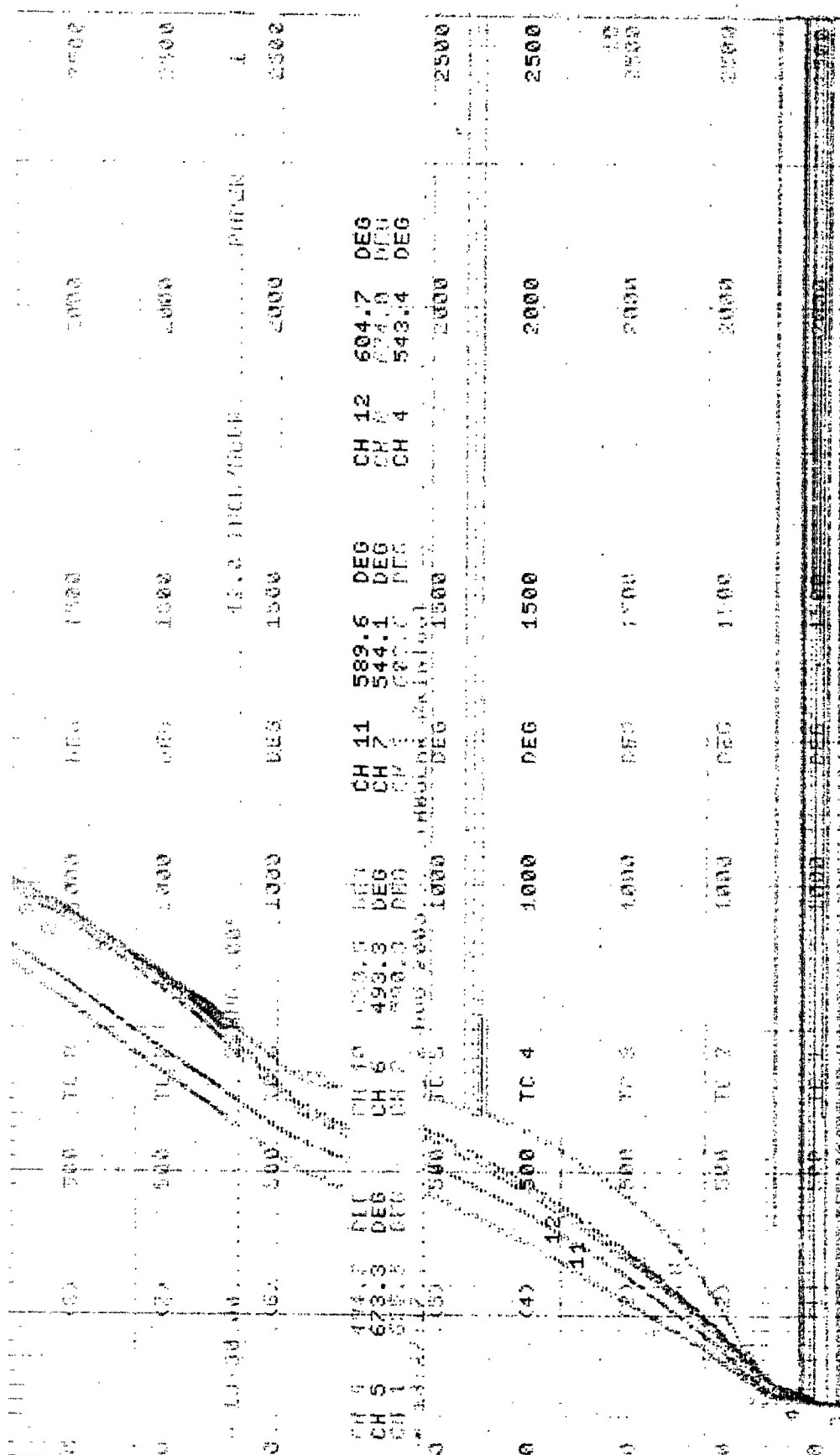
on 8-3-05
Notary Public Morgan County, State of Indiana

My commission expires 9-30-09



[Signature]
(Name)

DI
(Title)



AUG 03 2005

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

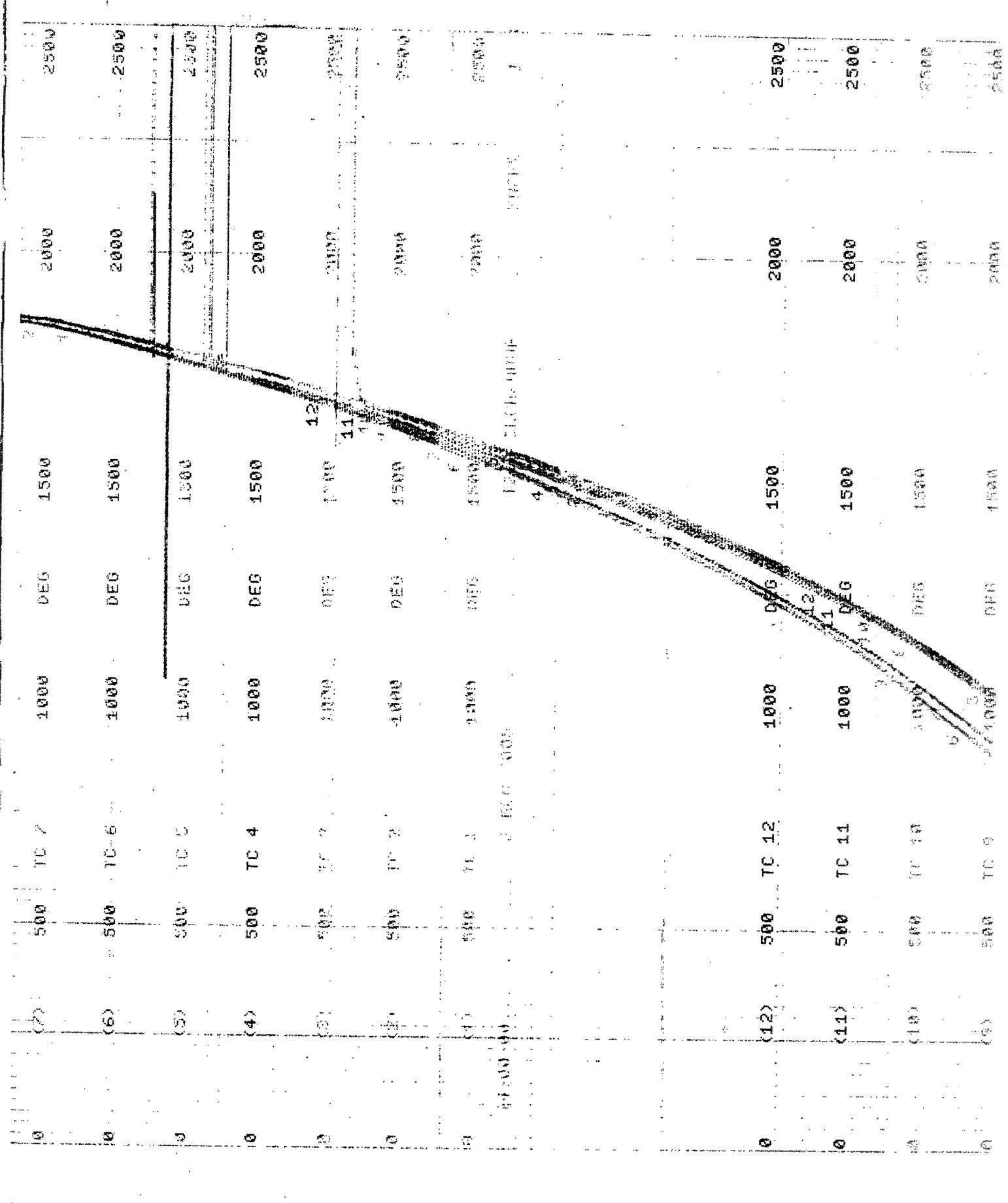


DATE: 8-2-05 COMPANY: Majer
 LOAD #: DE 1406 MATERIAL: Ti60 625
 QTY: 4 P/N: SE 120-003-1-10
65678-714, 65678-2715, 65678-715
65678-716
 FURNACE: GF-1 ATMOS.: Air
 REF. SPEC.: AMS 2774 A
 RECORDER: DPE-01 TIME START: 12:44

12:43:00
12:43:00

PAPER 1

500 TC 4 1000 1500 2000 2500



CH	TC	500	1000	1500	2000	2500
(4)	TC 4	500	1000	1500	2000	2500
(3)	TC 3	500	1000	1500	2000	2500
(2)	TC 2	500	1000	1500	2000	2500
(1)	TC 1	500	1000	1500	2000	2500
(12)	TC 12	500	1000	1500	2000	2500
(11)	TC 11	500	1000	1500	2000	2500
(10)	TC 10	500	1000	1500	2000	2500
(9)	TC 9	500	1000	1500	2000	2500
(8)	TC 8	500	1000	1500	2000	2500

12 1887 DEG CH 12
 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
 7 1876 DEG CH 4
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 4 1876 DEG CH 4
 3 1876 DEG CH 4
 2 1876 DEG CH 4
 1 1876 DEG CH 4

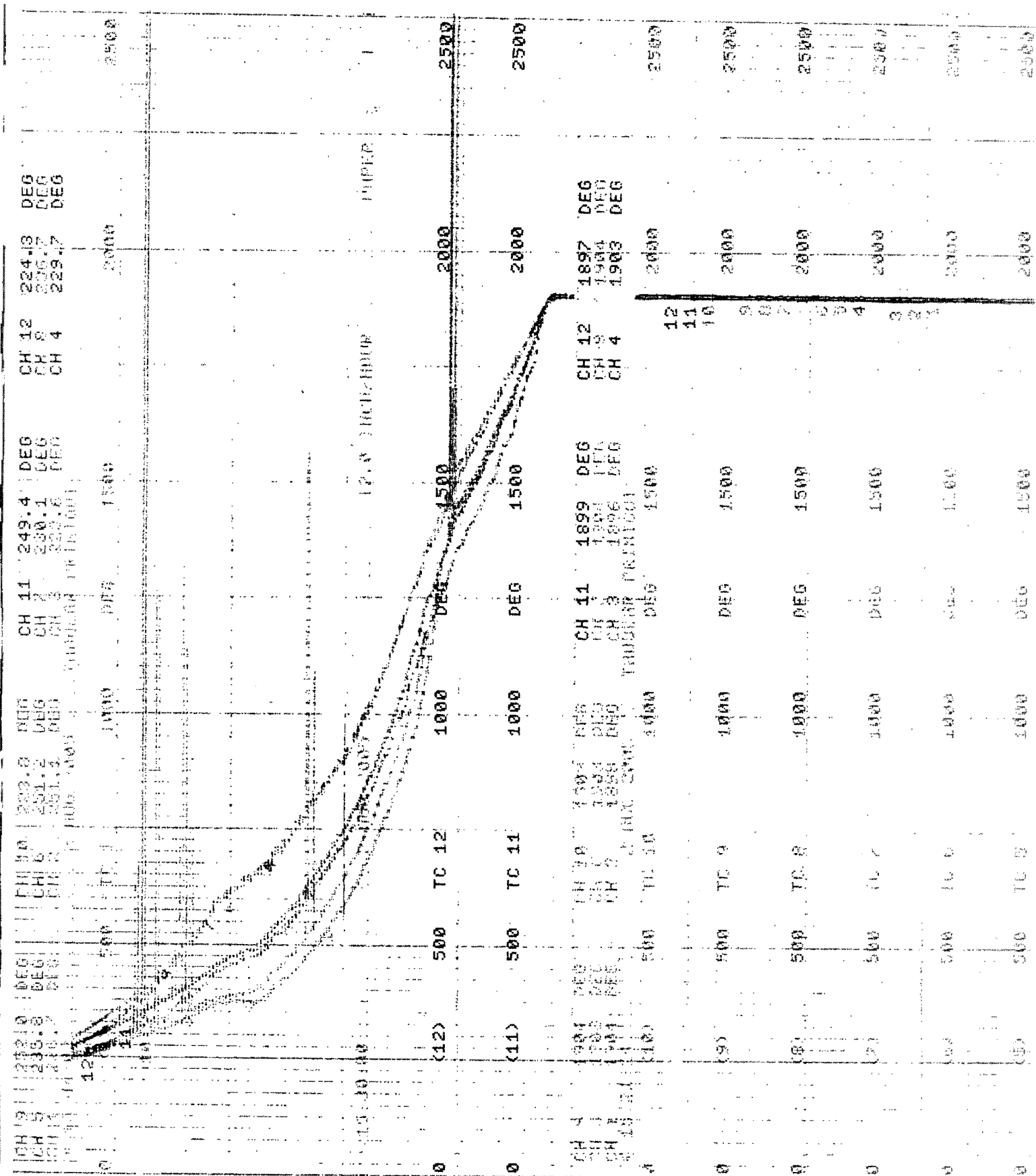
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 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
 7 1876 DEG CH 4
 6 1876 DEG CH 4
 5 1876 DEG CH 4
 4 1876 DEG CH 4
 3 1876 DEG CH 4
 2 1876 DEG CH 4
 1 1876 DEG CH 4

12 1887 DEG CH 12
 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
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 1 1876 DEG CH 4

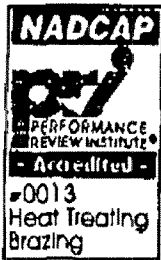
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 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
 7 1876 DEG CH 4
 6 1876 DEG CH 4
 5 1876 DEG CH 4
 4 1876 DEG CH 4
 3 1876 DEG CH 4
 2 1876 DEG CH 4
 1 1876 DEG CH 4

12 1887 DEG CH 12
 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
 7 1876 DEG CH 4
 6 1876 DEG CH 4
 5 1876 DEG CH 4
 4 1876 DEG CH 4
 3 1876 DEG CH 4
 2 1876 DEG CH 4
 1 1876 DEG CH 4

12 1887 DEG CH 12
 11 1894 DEG CH 12
 10 1892 DEG CH 4
 9 1877 DEG CH 12
 8 1893 DEG CH 8
 7 1876 DEG CH 4
 6 1876 DEG CH 4
 5 1876 DEG CH 4
 4 1876 DEG CH 4
 3 1876 DEG CH 4
 2 1876 DEG CH 4
 1 1876 DEG CH 4



CORRECTED



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03311 & P05-03318

Certificate # 49857

Vendor Code # 107576

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 # 05-1060

DATE SHIPPED 6-14-05

QUANTITY	DESCRIPTION
2 PCS	#SE120-003-1-10 JOB #65678-30/4 & 65678-27/4 SEQ #30

MATERIAL: INCO 625



JUN 16 2005

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

97042 *PR* 97041 *PR*
line 1 line 1

Sworn and subscribed to before me...

on 6-14-05 *[Signature]*
Notary Public - Morgan County - State of Indiana

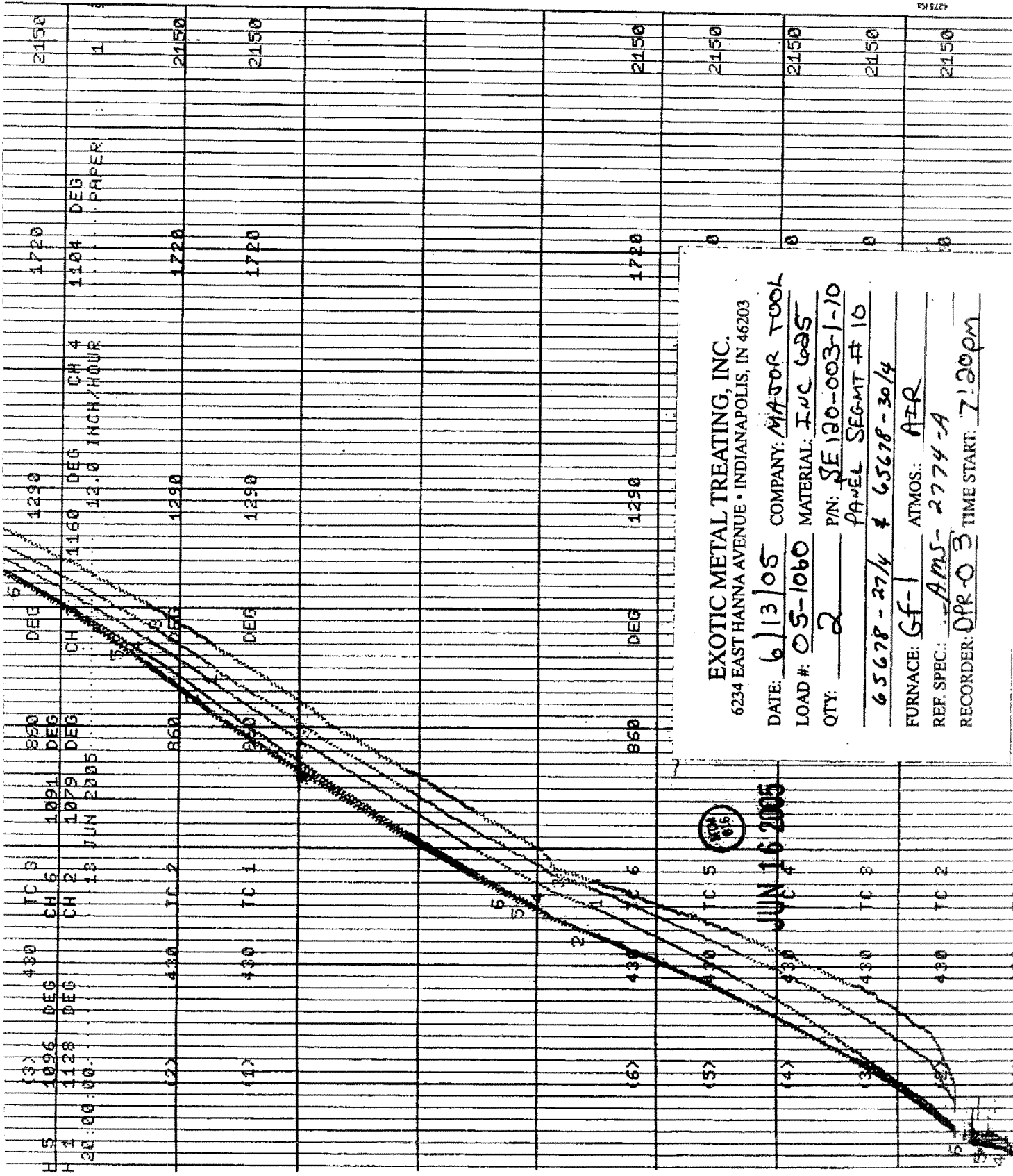
My commission expires 09-09

[Signature]

(Name)

QA

(Title)



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

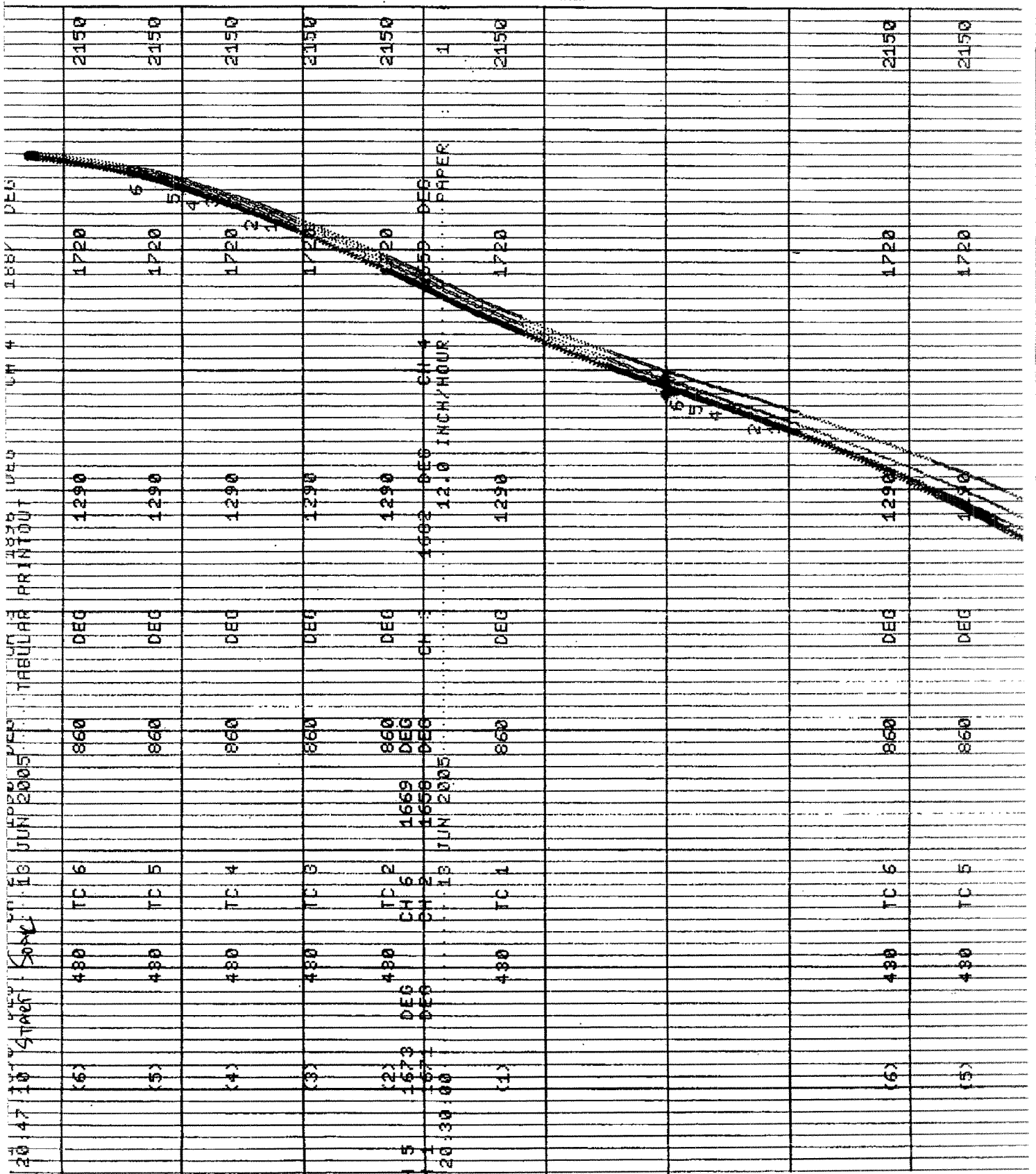
DATE: 6/13/05 COMPANY: MAJOR TOOL
 LOAD #: 05-1060 MATERIAL: INC 6095
 QTY: 2 P/N: SE 180-003-1-10
65678-274 # 65678-30/4 PANEL SEGMENT # 10

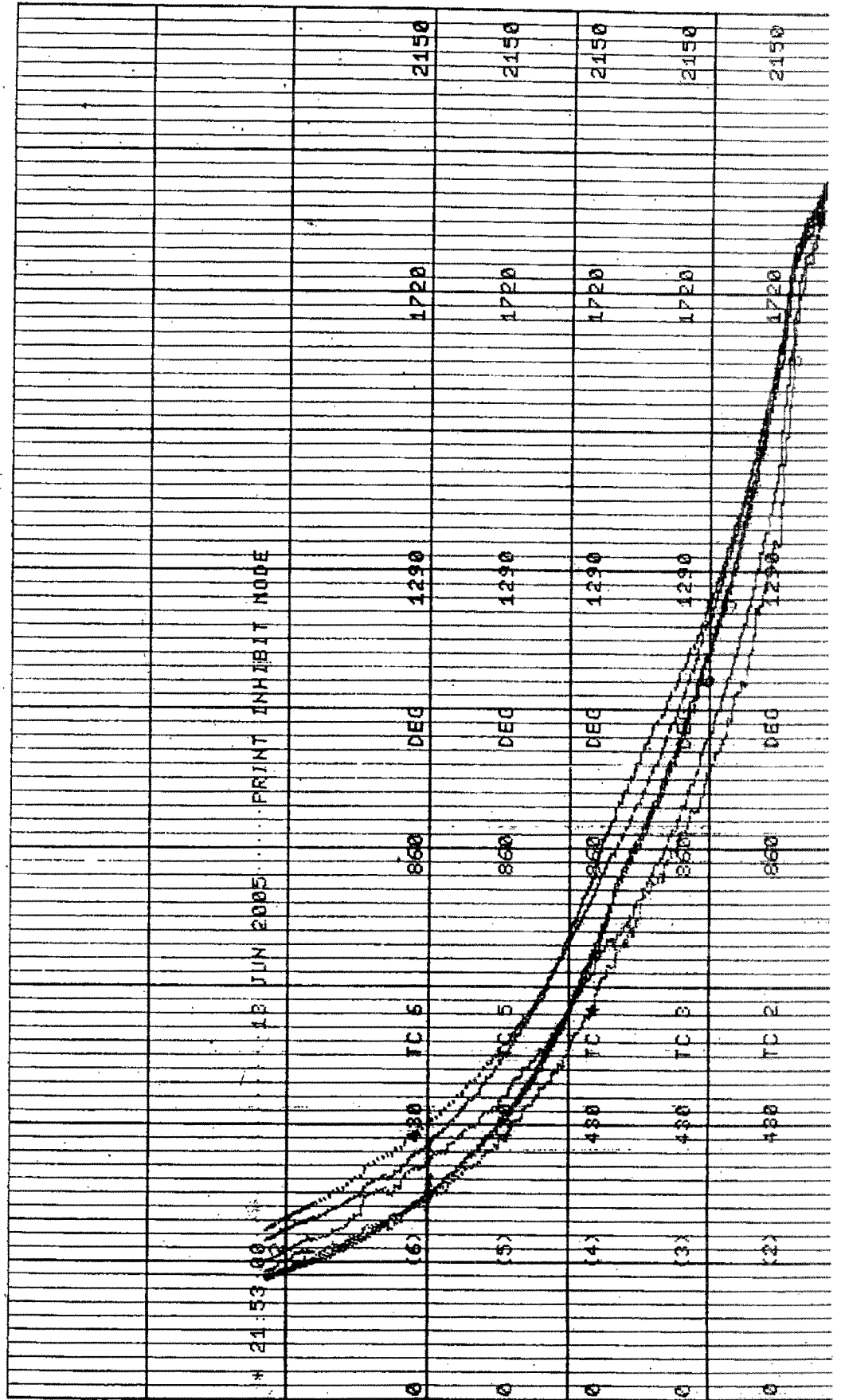
FURNACE: GF-1 ATMOS.: AIR
 REF. SPEC.: AMS-2774-A
 RECORDER: DPR-03 TIME START: 7:20pm



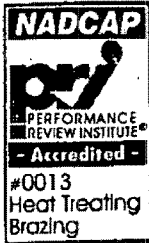
JUN 16 2005

4275 KA





65678



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50083

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03859,04039

NADCAP

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 # 05-1324

DATE SHIPPED 7-21-05

QUANTITY

DESCRIPTION

2 PCS.

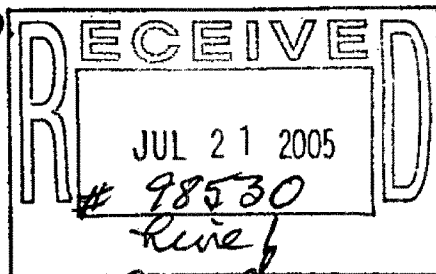
SE120-003-1-10

JOB # 65678-28/4, 65678-8/4

MATERIAL: INCO 625

JUL 25 2005

SOLUTIONED PER AMS-2774-A & PO AT 1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES & RAPID AIR COOLED



Handwritten: *live and 98531 line #1*

Handwritten: *AKH*

Sworn and subscribed to before me...

on 7-21-05

Notary Public Morgan County - State of Indiana

Notary Seal: STATE OF INDIANA, Notary Public, Morgan County, State of Indiana, Notary # 7-09, *William Hall*

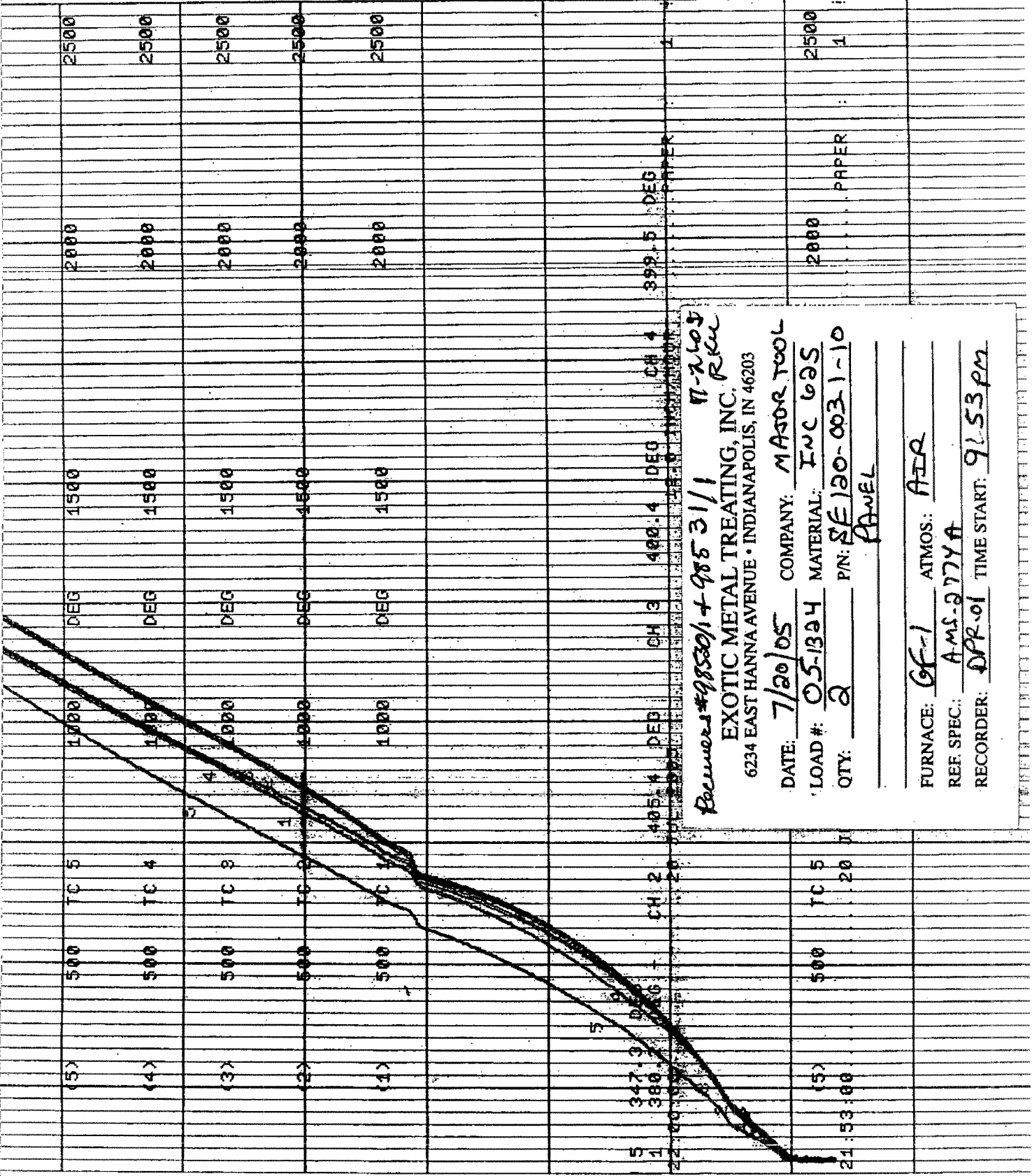
Keith...

(Name)

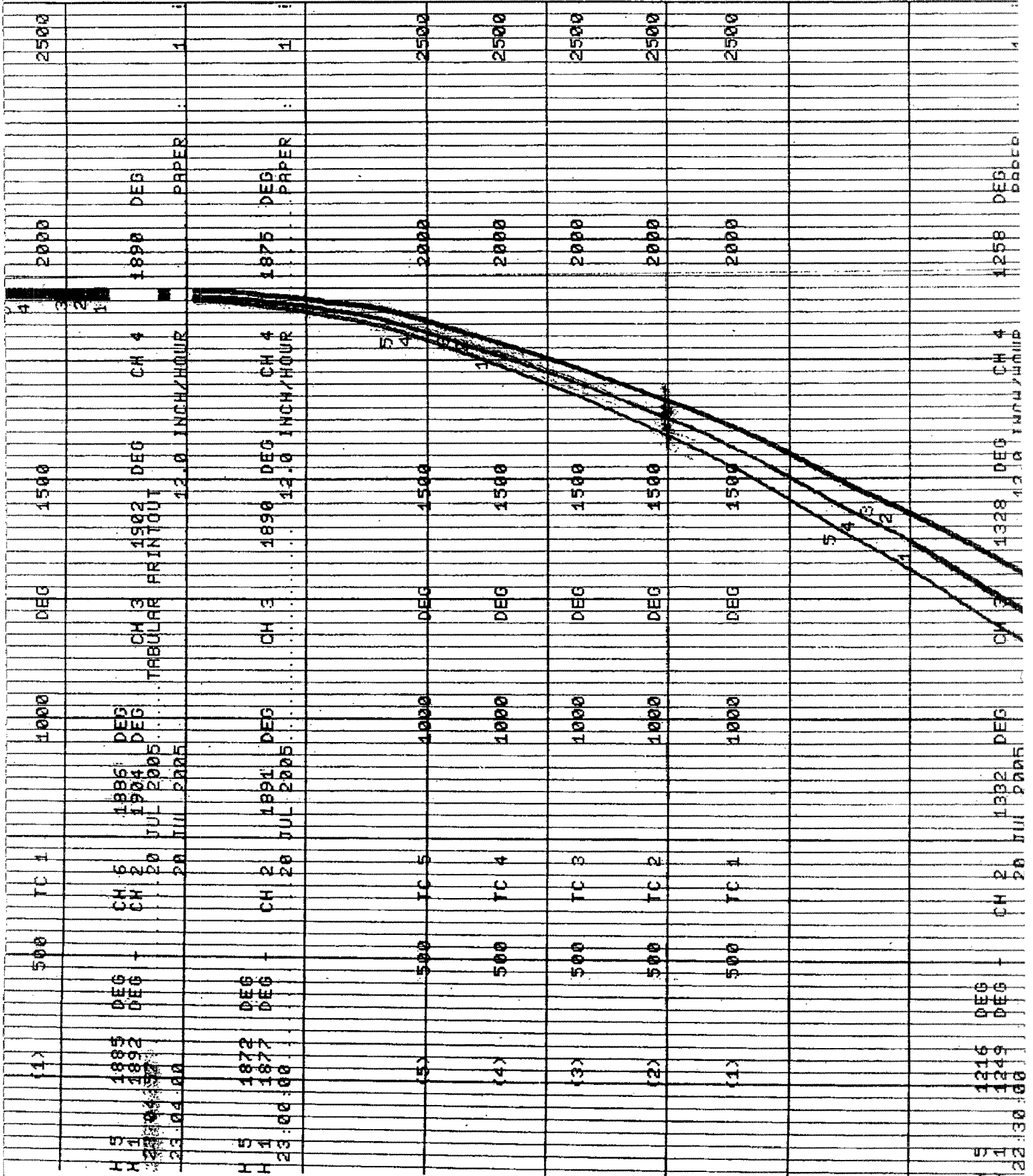
PS

(Title)

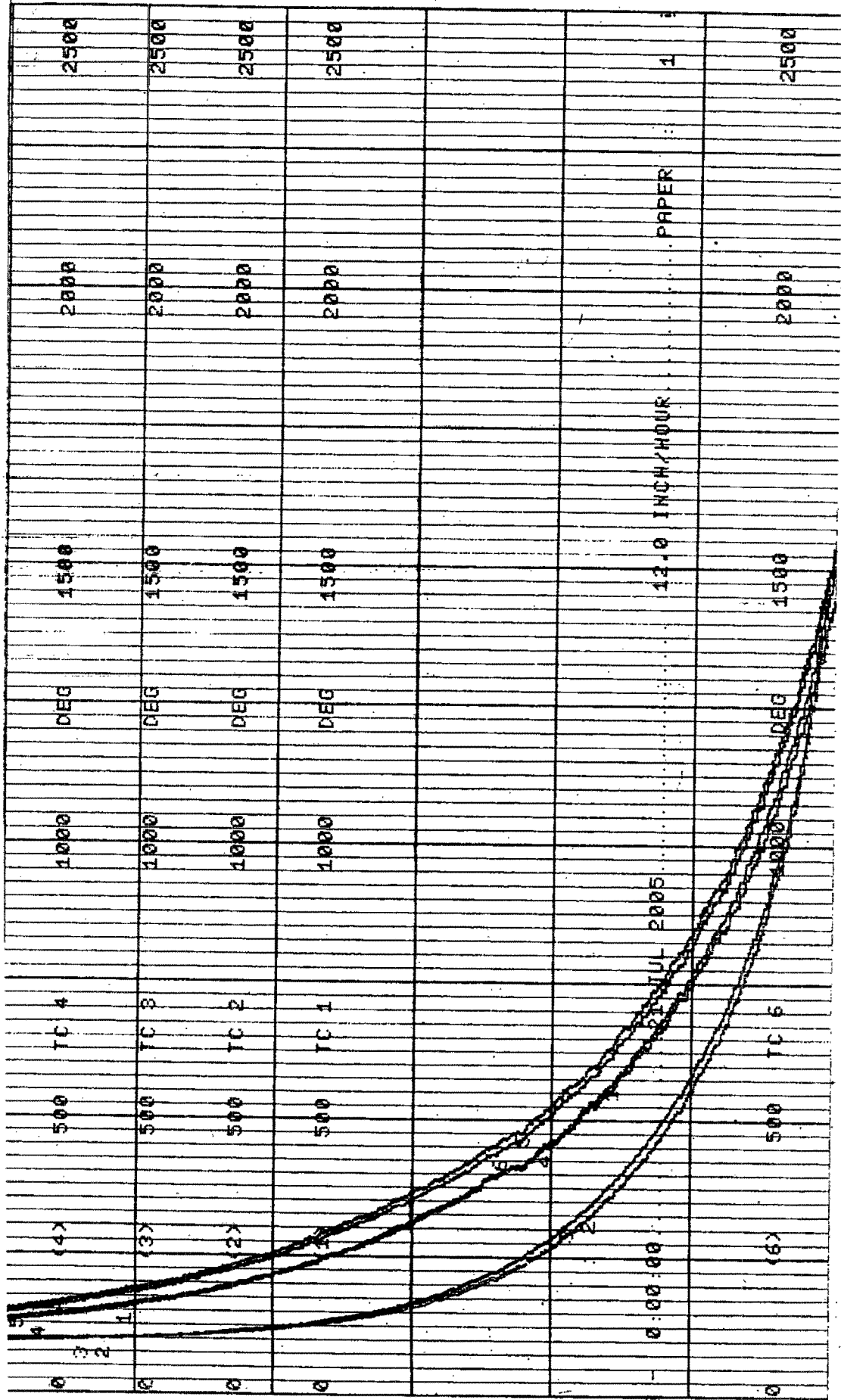
My commission expires 7-09



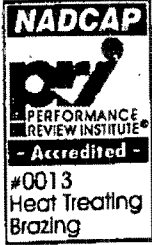
Recorders #98530/1 + 98531/1 7-2603
 EXOTIC METAL TREATING, INC. RKL
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7/20/05 COMPANY: MASOR TOOL
 LOAD #: 05-1324 MATERIAL: INC 625
 QTY: 2 P/N: SF120-0031-10
 PAWEL
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC: AMS-277A
 RECORDER: DPR-01 TIME START: 9:53 PM



CH 5	1895	DEG	CH 6	1895	DEG	CH 3	1892	DEG	CH 4	1897	DEG
(4)	500	500	TC 4	JUL 2005	1000	TABULAR PRINTOUT	1500	1500	6	2000	2500
(3)	500	500	TC 3		1000	DEG	1500	1500	5	2000	2500
(2)	500	500	TC 2		1000	DEG	1500	1500	4	2000	2500
(1)	500	500	TC 1		1000	DEG	1500	1500	3	2000	2500
23:30:00			20	JUL 2005		12.0 INCH/HOUR			PAPER		1
(6)	500	500	TC 6		1000	DEG	1500	1500	6	2000	2500
(5)	500	500	TC 5		1000	DEG	1500	1500	5	2000	2500
(4)	500	500	TC 4		1000	DEG	1500	1500	4	2000	2500
(3)	500	500	TC 3		1000	DEG	1500	1500	3	2000	2500



65678



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50083

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-03859,04039

NADCAP

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 # 05-1324

DATE SHIPPED 7-21-05

QUANTITY

DESCRIPTION

2 PCS.

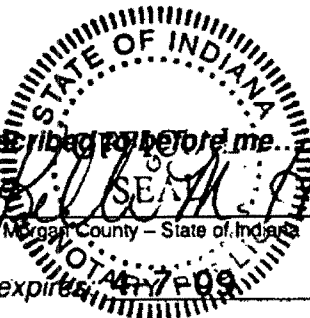
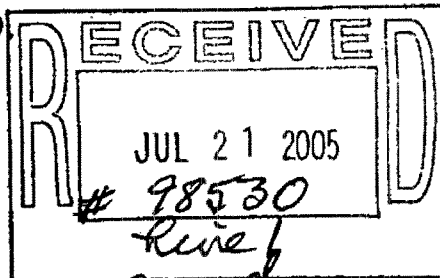
SE120-003-1-10

JOB # 65678-28/4, 65678-8/4

MATERIAL: INCO 625

JUL 25 2005

SOLUTIONED PER AMS-2774-A & PO AT 1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES & RAPID AIR COOLED



Sworn and subscribed to before me...

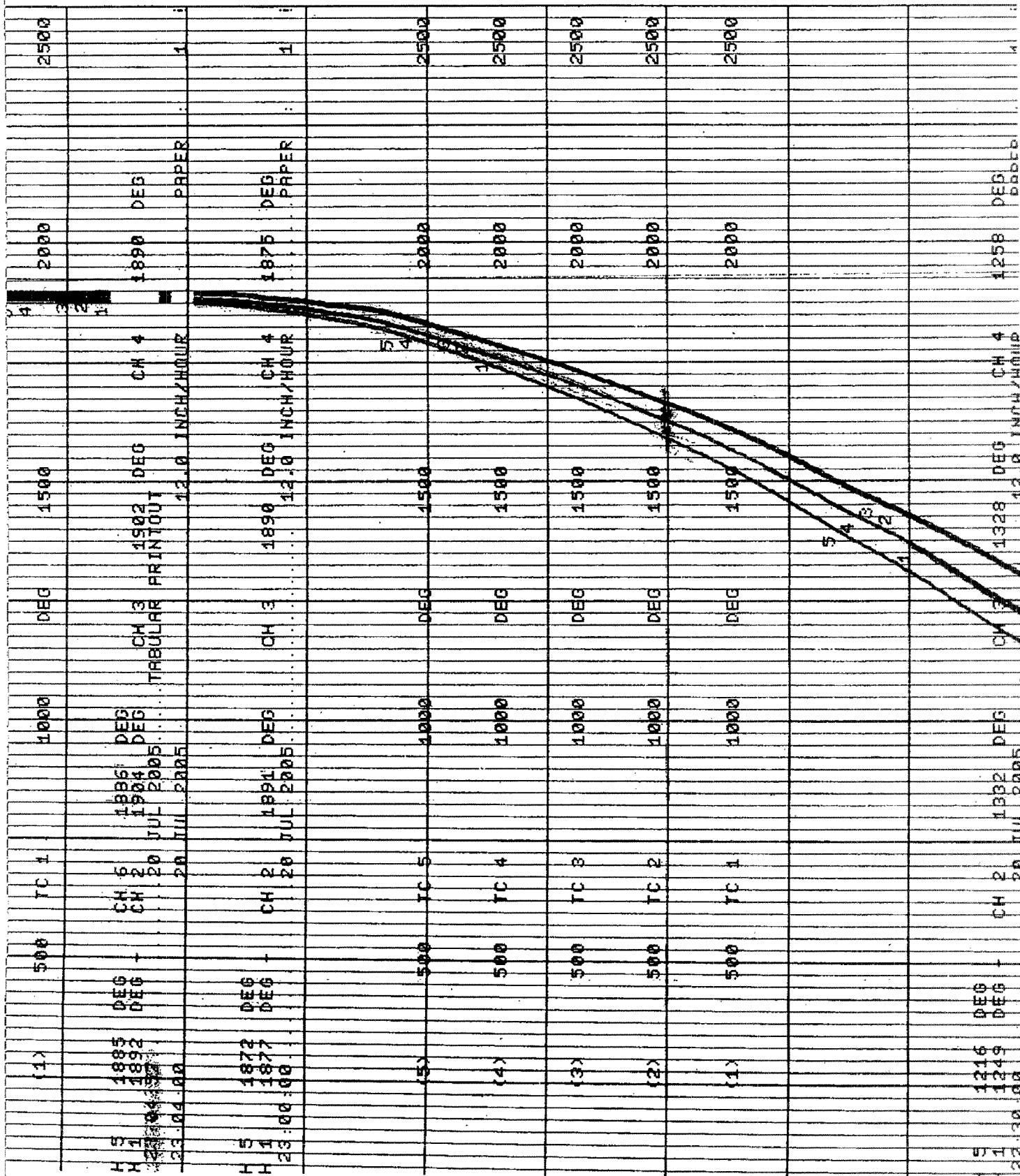
on 7-21-05

Notary Public Morgan County - State of Indiana

My commission expires 7-21-09

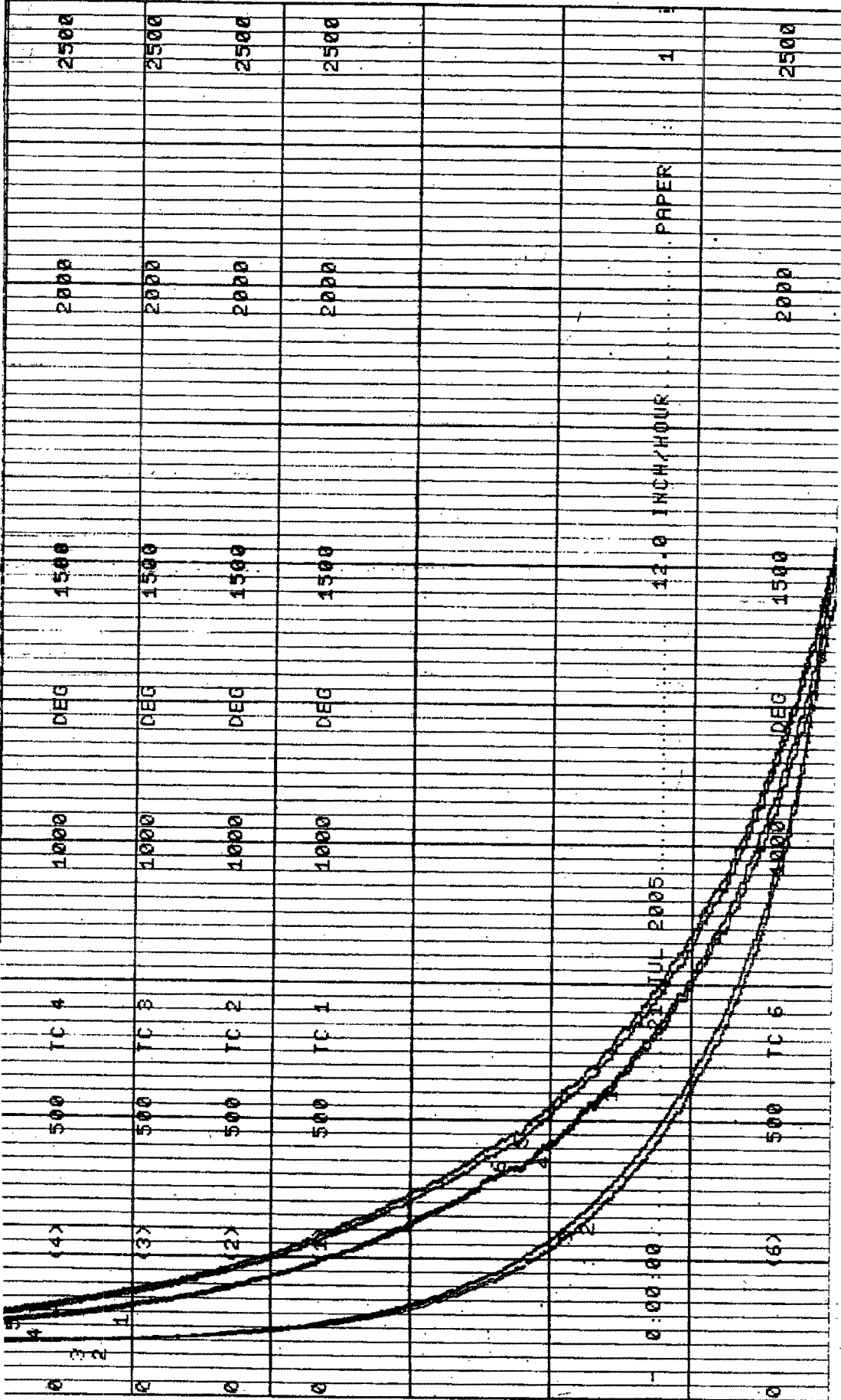
Keith [Signature]
(Name)

PS
(Title)



4275 Ks

5	1895	DEC	CH 6	1895	DEC	CH 3	1892	DEC	CH 1	1897	DEC
(4)	500	DEC	TC 4	JUL 2005	1000	TRABULAR PRINTOUT	1500			2000	2500
(3)	500	DEC	TC 3		1000	DEC	1500			2000	2500
(2)	500	DEC	TC 2		1000	DEC	1500			2000	2500
(1)	500	DEC	TC 1		1000	DEC	1500			2000	2500
23:30:00			20	JUL 2005		12.0 INCH/HOUR				PAPER	1
(6)	500	DEC	TC 6		1000	DEC	1500			2000	2500
(5)	500	DEC	TC 5		1000	DEC	1500			2000	2500
(4)	500	DEC	TC 4		1000	DEC	1500			2000	2500
(3)	500	DEC	TC 3		1000	DEC	1500			2000	2500





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49920

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03423 & P05-03424

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 # 05-1126

DATE SHIPPED 6-22-05

QUANTITY

DESCRIPTION

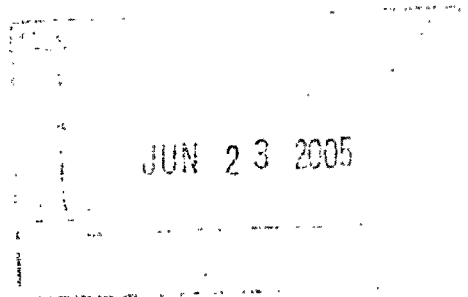
2 PCS

#SE120-003-1-10

JOB #65678-9/4 & 65678-29/4 SEQ #30

MATERIAL: INCO 625

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



JUN 24 2005

97447 97446 RR
line 1 line 1

Sworn and subscribed to before me...

on 6-22-05

[Signature]

Notary Public, Morgan County - State of Indiana

My commission expires 9-30-09

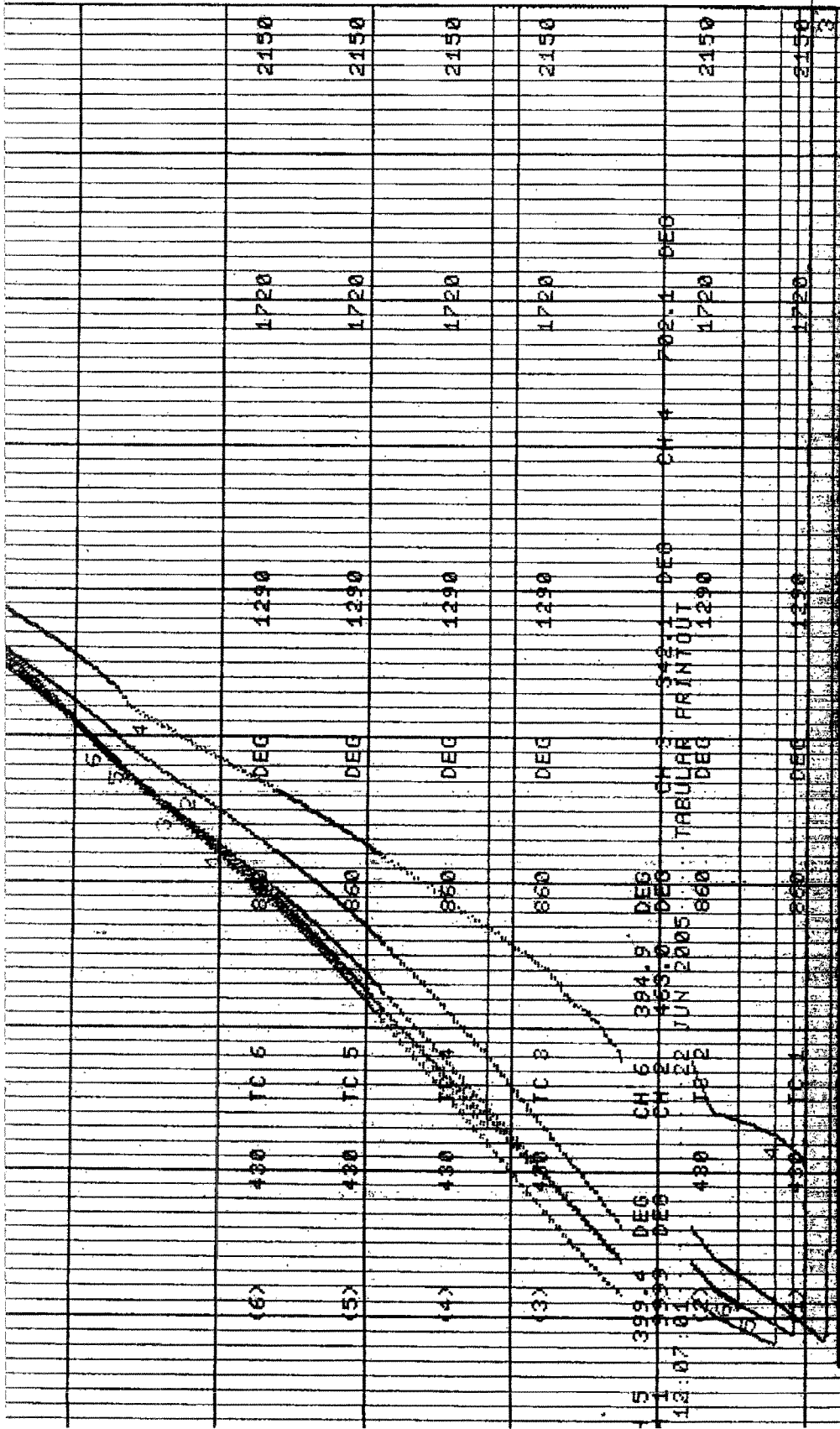
NOTARY

[Signature]

(Name)

[Signature]

(Title)



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

DATE: 6-22-05 COMPANY: Major Tool
 LOAD #: 05-1126 MATERIAL: Inco 625
 QTY: 2 P/N: SE100-003-1-10
65678-914 & 65678-2914
 FURNACE: GF-1 ATMOS: Air
 REF. SPEC: AMS-2774 A
 RECORDER: DPP-03 TIME START: 11:57am

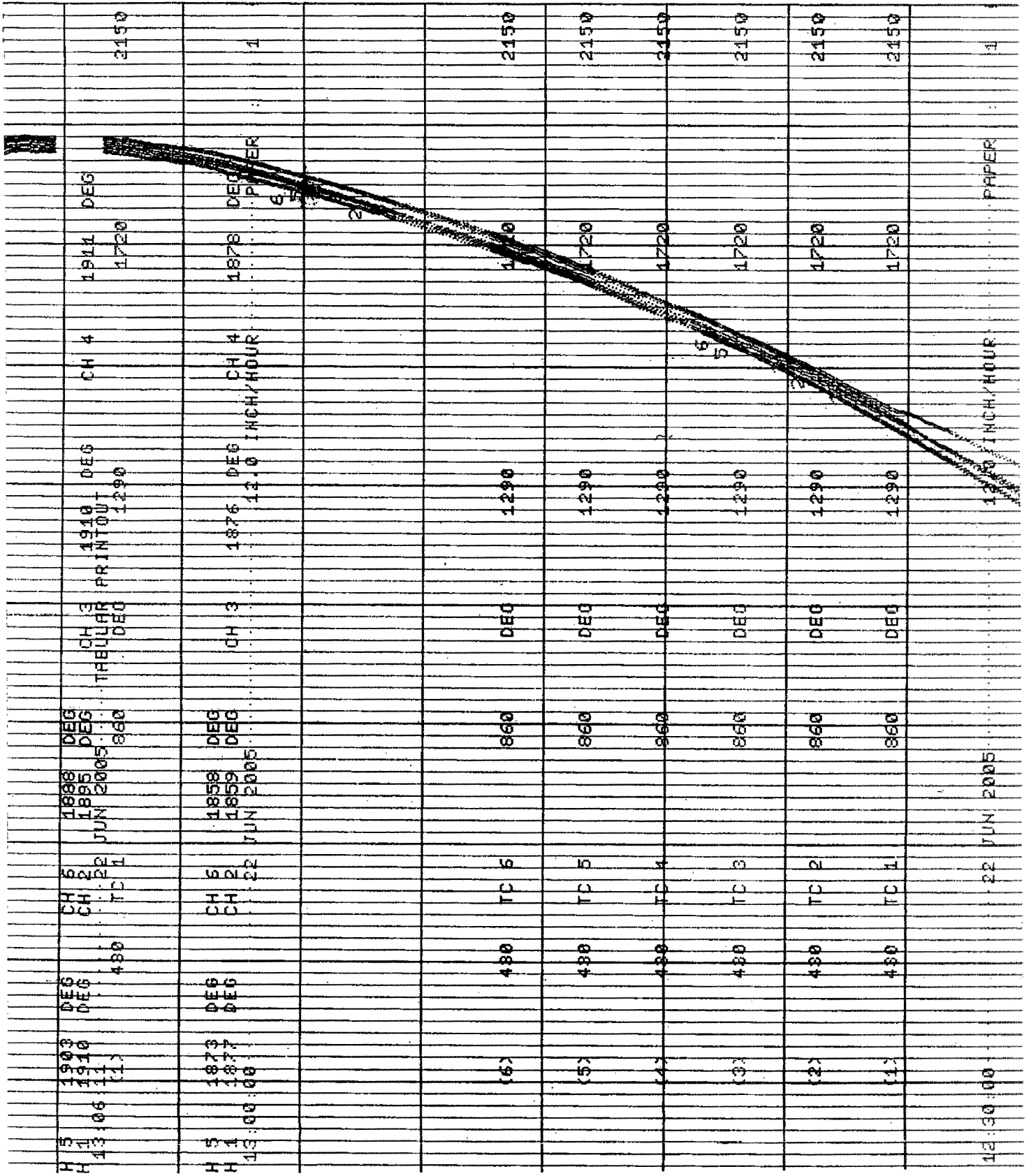


JUN 24 2005

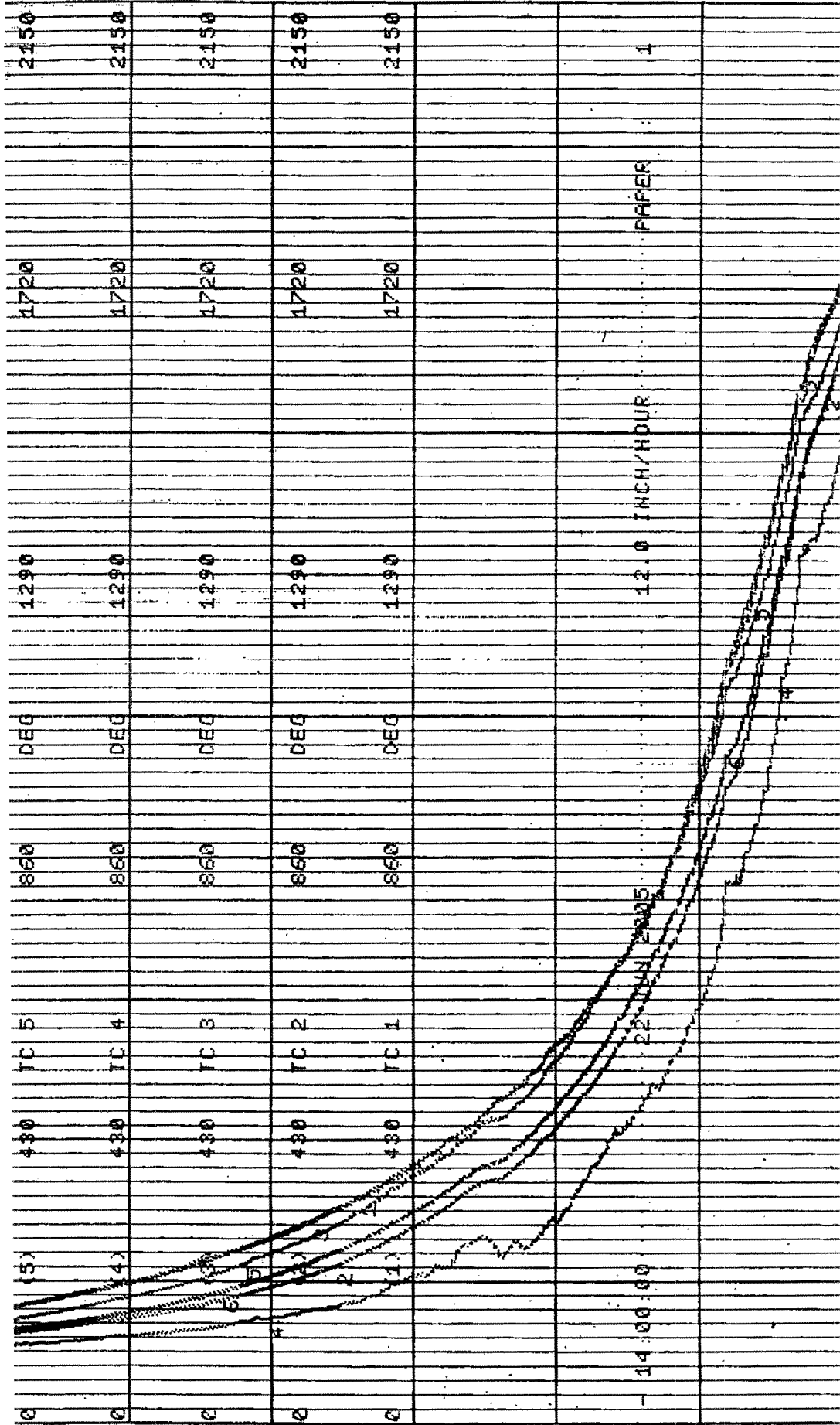
22 JUN 2005

14:57:00

4275 KA



13:51:24	1997	DEG	CH 2	1997	DEG	CH 3	1998	DEG	CH 4	1994	DEG
(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				
(2)	480	TC 2	860	DEG	1290	1720	2150				
(1)	480	TC 1	860	DEG	1290	1720	2150				
13:30:00	22 JUN 2005	12:10	INCHY HOUR	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				





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 49920

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

P.O. # P05-03423 & P05-03424

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 # 05-1126

DATE SHIPPED 6-22-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-10

JOB #65678-9/4 & 65678-29/4 SEQ #30

MATERIAL: INCO 625

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

JUN 23 2005



JUN 24 2005

97447 97446 DP
line 1 line 1

Sworn and subscribed to before me...

on 6-22-05

Notary Public, Morgan County - State of Indiana

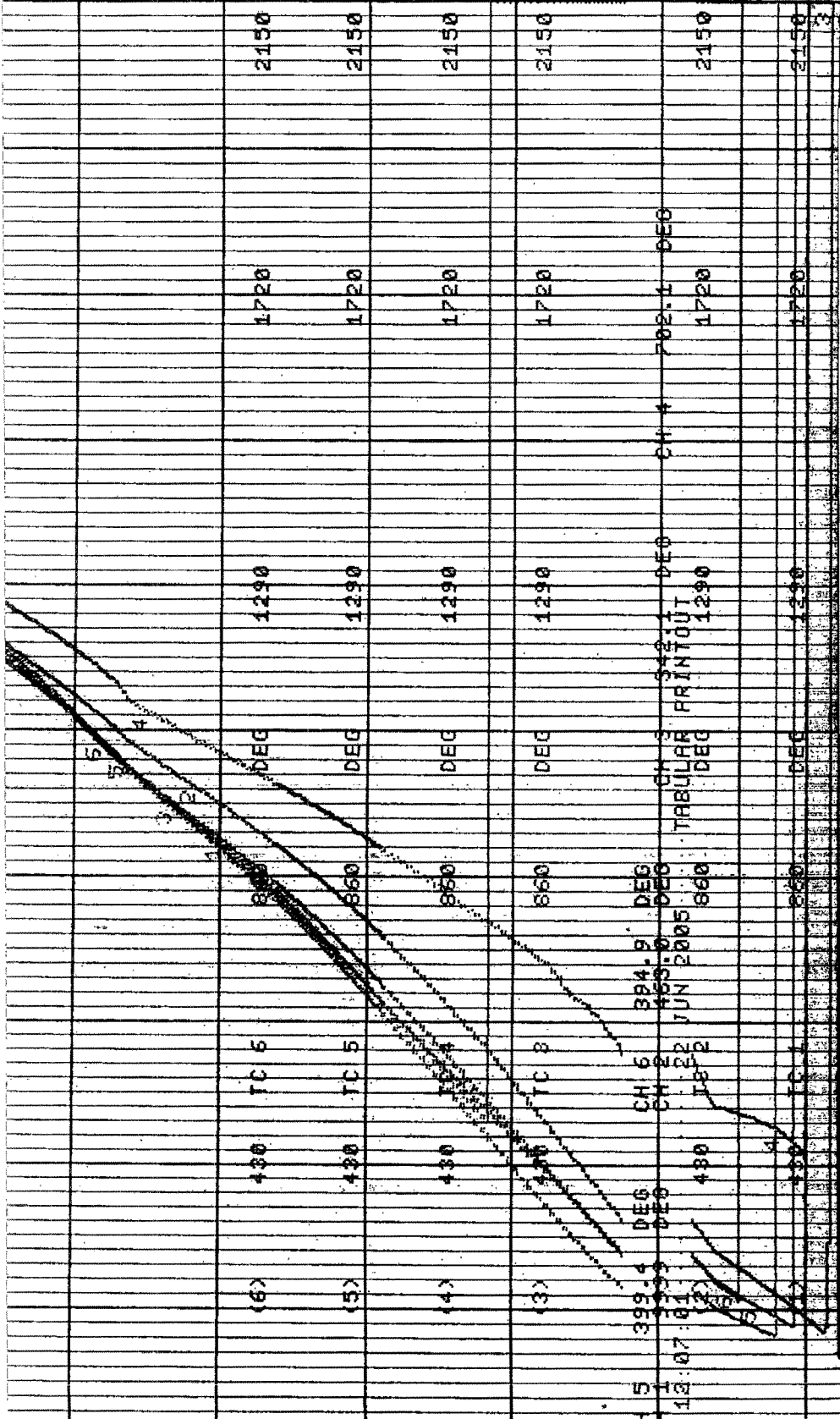
My commission expires 9-30-09

[Signature]

(Name)

[Signature]

(Title)



EXOTIC METAL TREATING, INC.

6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 6-22-05 COMPANY: Natrol Tool
 LOAD #: 05-1126 MATERIAL: Inco 625
 QTY: 2 P/N: SE120-003-1-10
PANEL SEGMENTS #10
65678-914 & 65678-2914
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC: AMS-2774 A
 RECORDER: DPF-03 TIME START: 11:57am

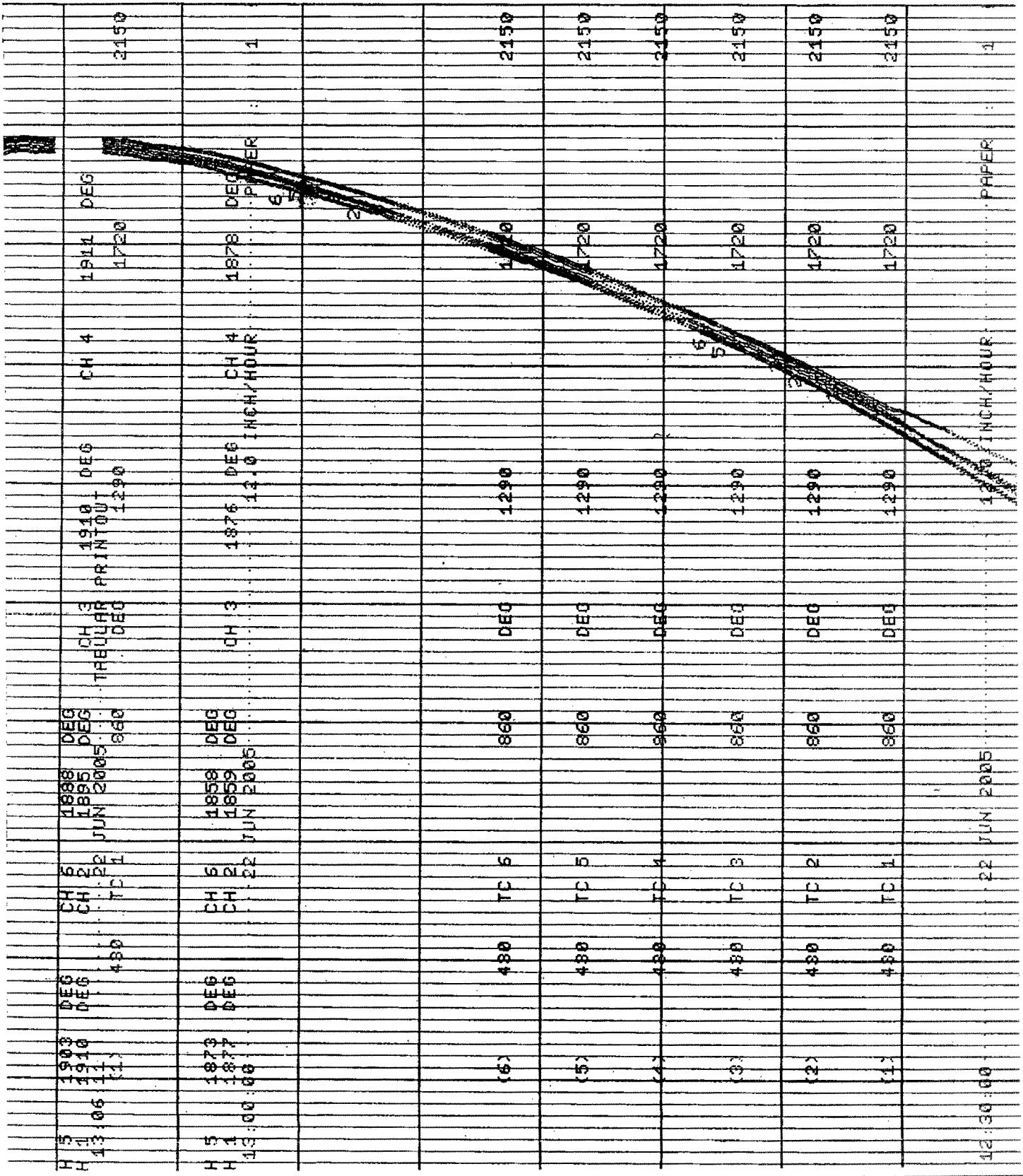
22 JUN 2005



JUN 24 2005

11:57:00

4275 Ka



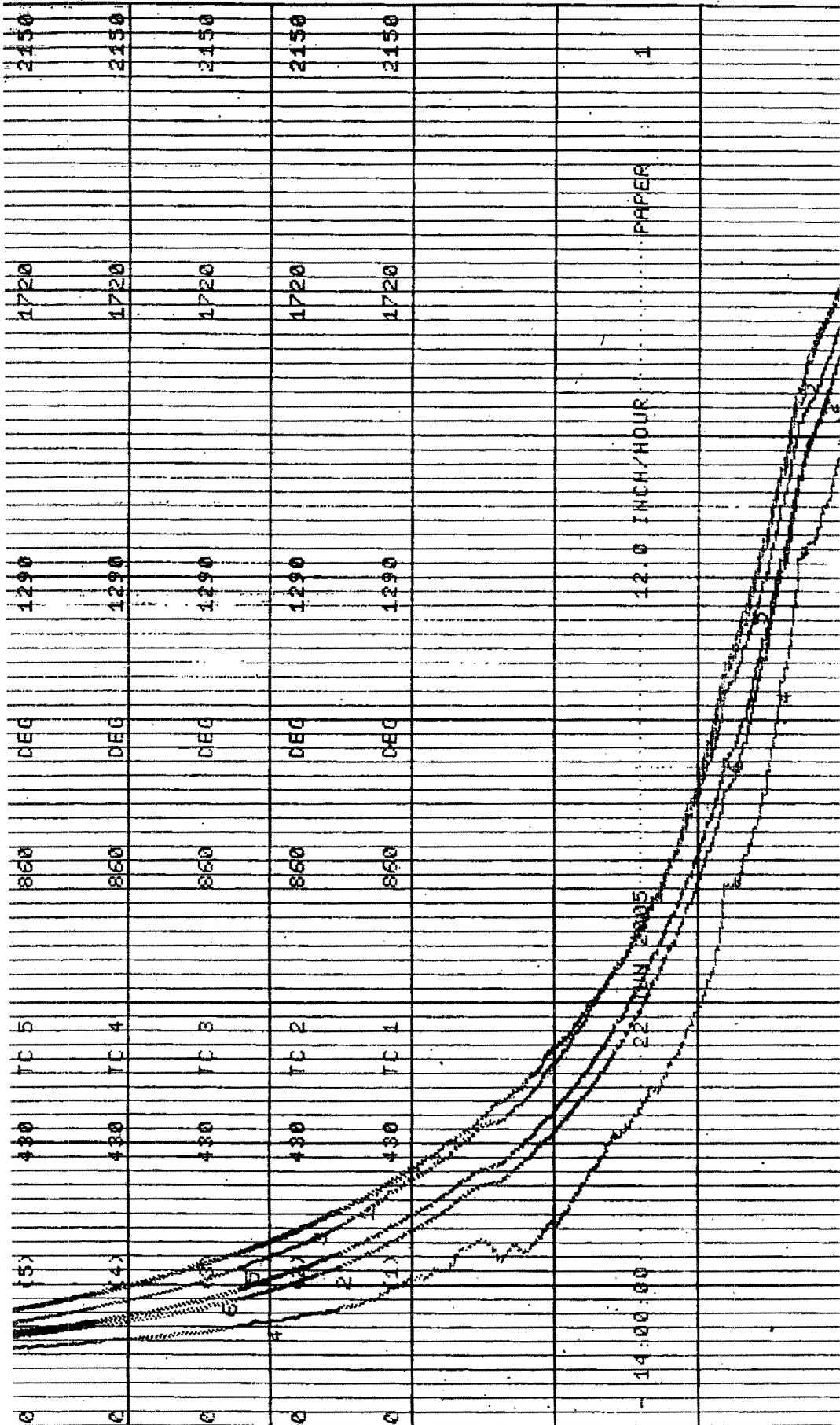
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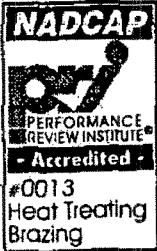
12.00 INCH/HOUR

22 JUN 2005

12:30:00

TIME	DATE	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10
13:51:34	1897 JUN 22	TC 5	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG
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(4)		480	860	1290	1720	2150				
(3)		480	860	1290	1720	2150				
(2)		480	860	1290	1720	2150				
(1)		480	860	1290	1720	2150				
13:30:00	1897 JUN 22	TC 5	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG
(6)		480	860	1290	1720	2150				
(5)		480	860	1290	1720	2150				
(4)		480	860	1290	1720	2150				
(3)		480	860	1290	1720	2150				





Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanina Avenue • Indianapolis, Indiana

Certificate # 50132

Vendor Code # 107576

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

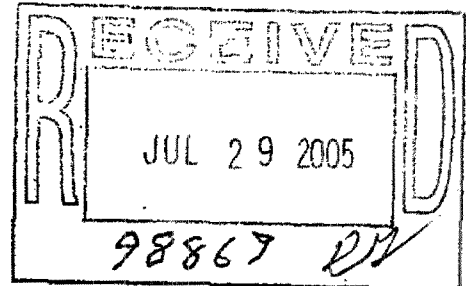
JOB #65678-10/4, 65678-8/5,

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 PA

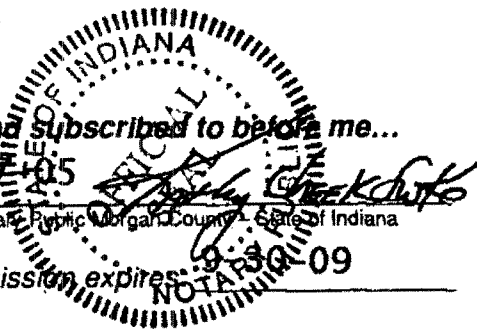
Line 1-3



Sworn and subscribed to before me...

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

My commission expires 9-30-09

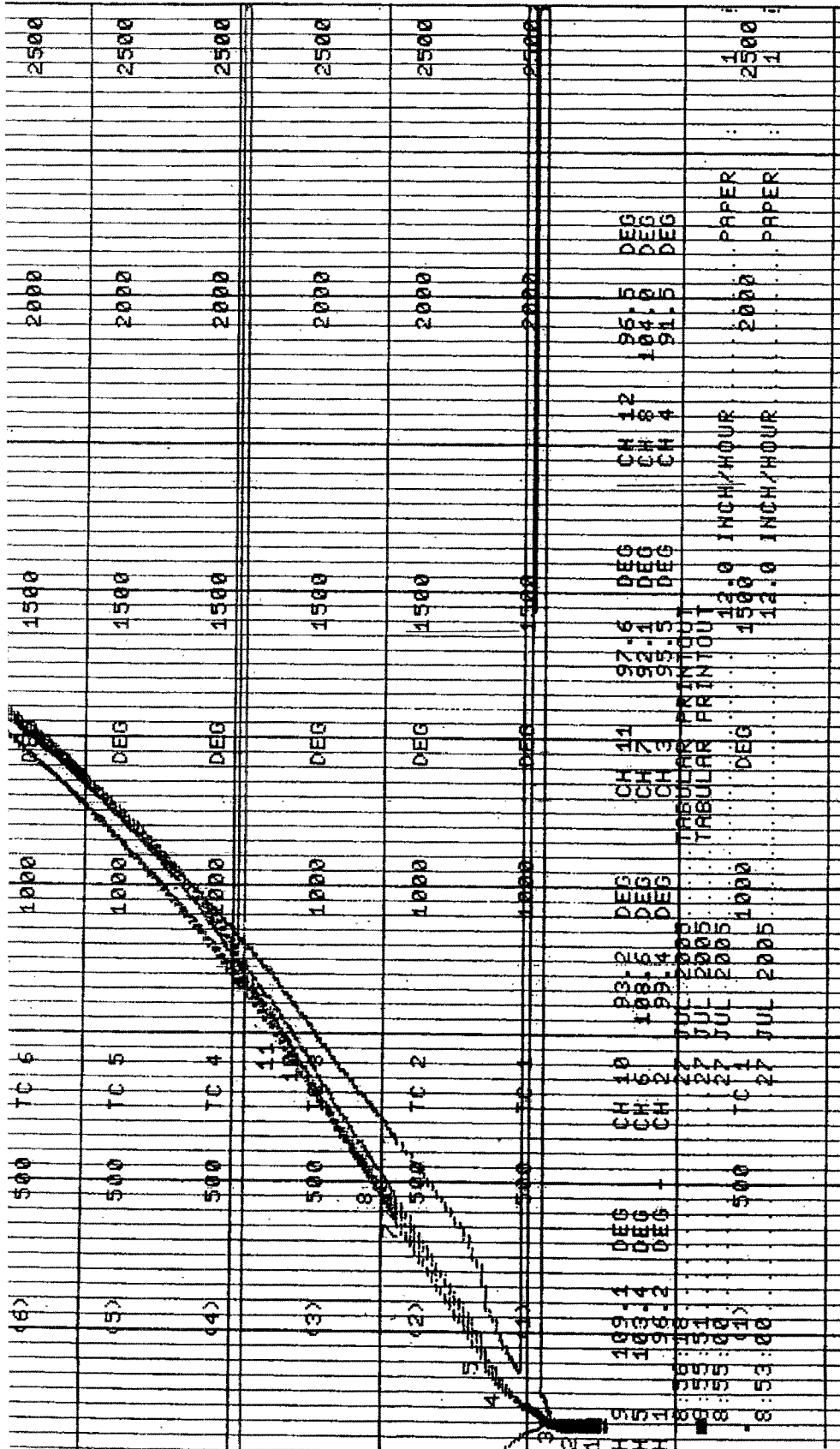


Kurt Shuck

(Name)

PA

(Title)



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

DATE: 7-27-05 COMPANY: Major Tool

LOAD #: 05-1377 MATERIAL: Alco 625

QTY: 4 P/N: SE120-003-1-10

3ps PANEL SEGMENTS #8 " " #10

FURNACE: GF-1 ATMOS: Air

REF. SPEC.: AMS-2774 REV: A

RECORDER: DPE-01 TIME START: 8:53AM

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

TUBULAR PRINTOUT

27 JUL 2005

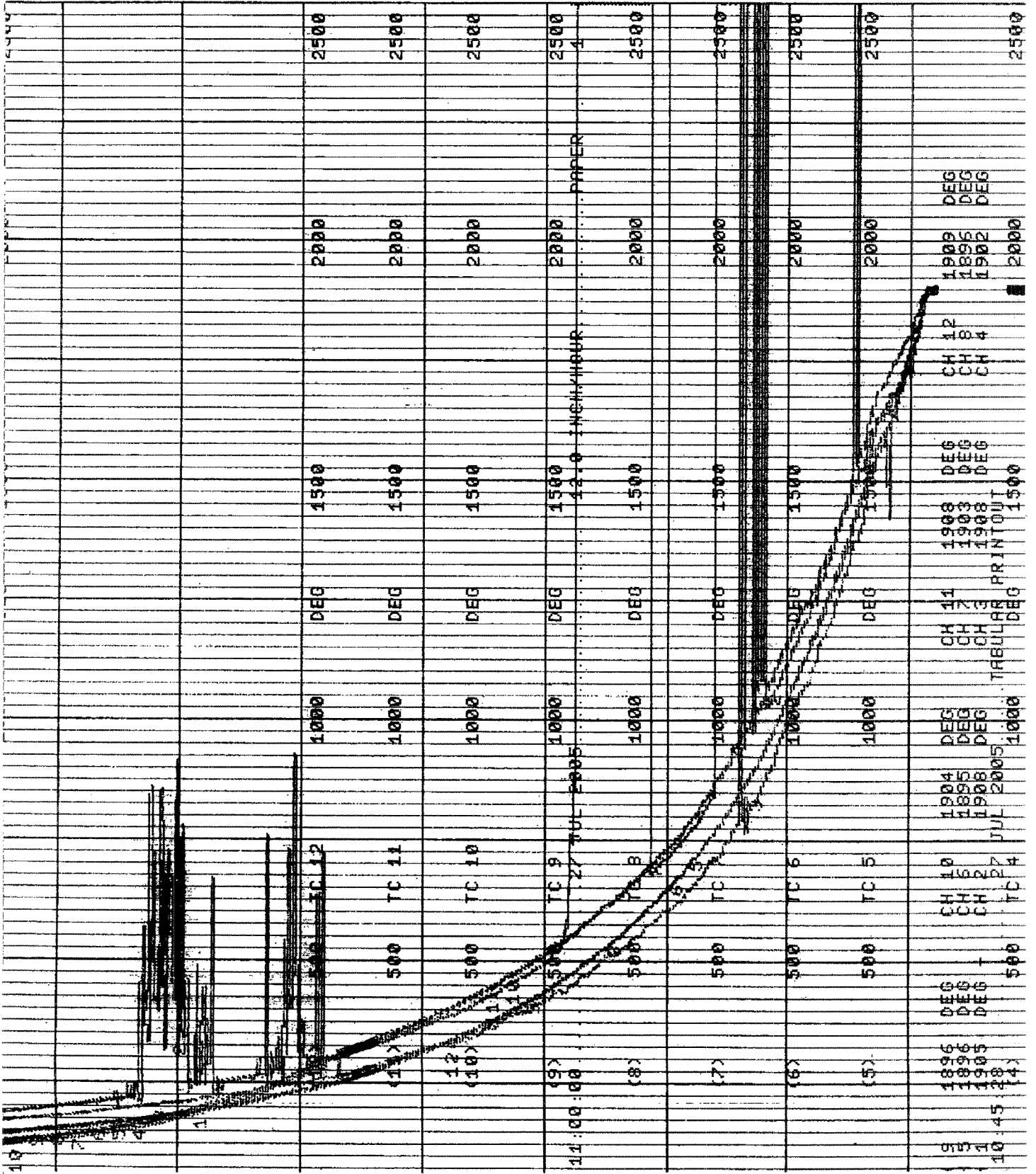
10:00:01

(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
(1)	500	TC 1	1000	DEC	1500	2000	2500
(12)	500	TC 12	1000	DEC	1500	2000	2500
(11)	500	TC 11	1000	DEC	1500	2000	2500
9:30:00							
(10)	500	TC 10	1000	DEC	1500	2000	2500
(9)	500	TC 9	1000	DEC	1500	2000	2500
(8)	500	TC 8	1000	DEC	1500	2000	2500

4275 KA

Item	Quantity	Unit	Description	Rate	Amount	Notes
(2)	500	TC 2	DEG	1500	2000	12 11 10 9 8 7 6 5 4 3 2 1
(1)	500	TC 1	DEG	1500	2000	12 11 10 9 8 7 6 5 4 3 2 1
10:30:00		27 JUL 2005	12.0 INCH/HOUR			PAPER : 1
(12)	500	TC 12	DEG	1500	2000	
(11)	500	TC 11	DEG	1500	2000	
(10)	500	TC 10	DEG	1500	2000	12 11 10 9 8 7 6 5 4 3 2 1
(9)	500	TC 9	DEG	1500	2000	
(8)	500	TC 8	DEG	1500	2000	
(7)	500	TC 7	DEG	1500	2000	
(6)	500	TC 6	DEG	1500	2000	
(5)	500	TC 5	DEG	1500	2000	

4275 KA



CORRECTED



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 49857

Vendor Code # 107576

P.O. # P05-03311 & P05-03318

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 # 05-1060

DATE SHIPPED 6-14-05

QUANTITY

DESCRIPTION

2 PCS

#SE120-003-1-10

JOB #65678-30/4 & 65678-27/4 SEQ #30

MATERIAL: INCO 625



JUN 16 2005

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

97042 RA line 1 97041 WA line 1

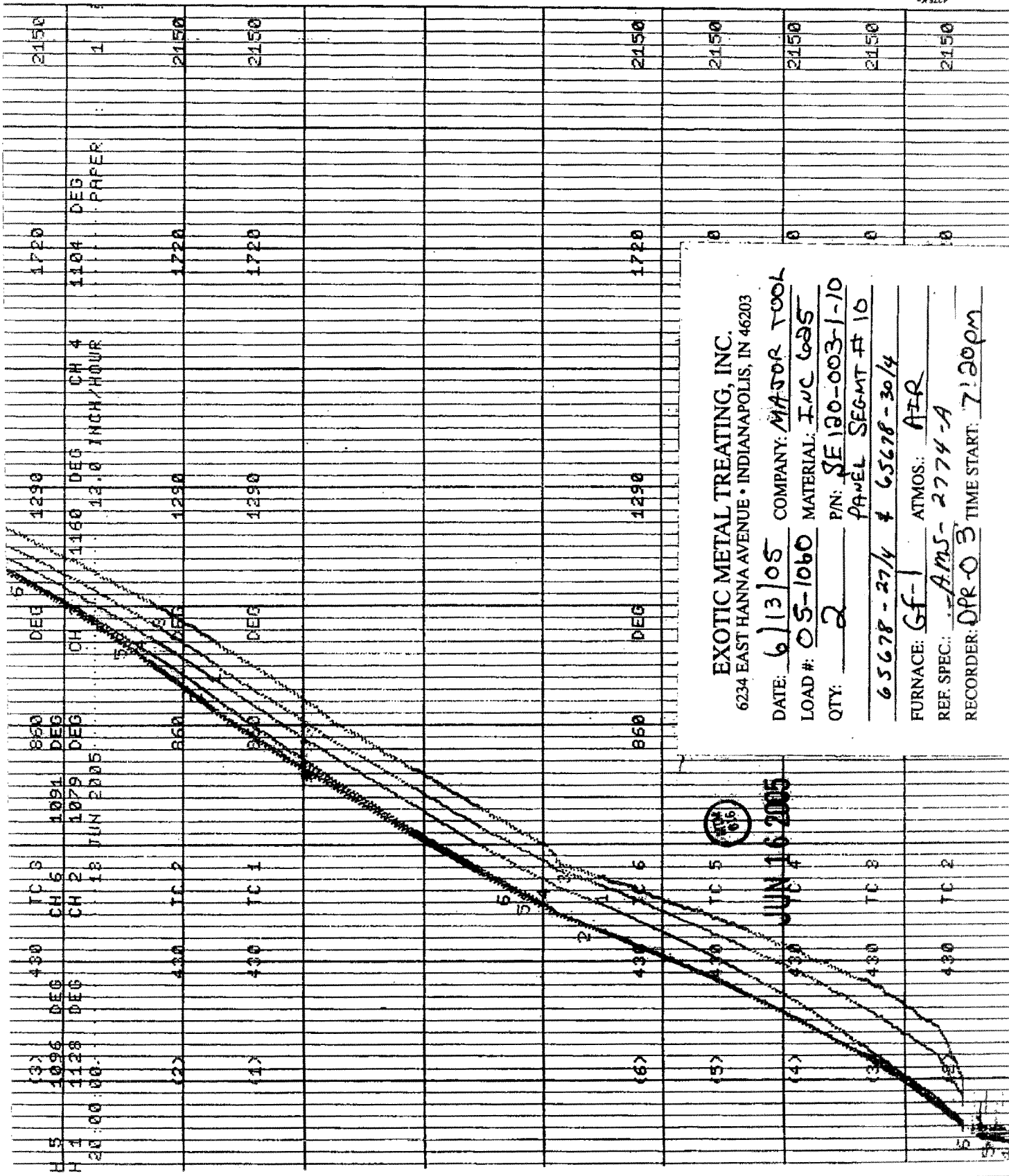
Sworn and subscribed to before me...

on 6-14-05 [Signature]
Notary Public Morgan County - State of Indiana

My commission expires 09-09

[Signature]
(Name)

PA
(Title)



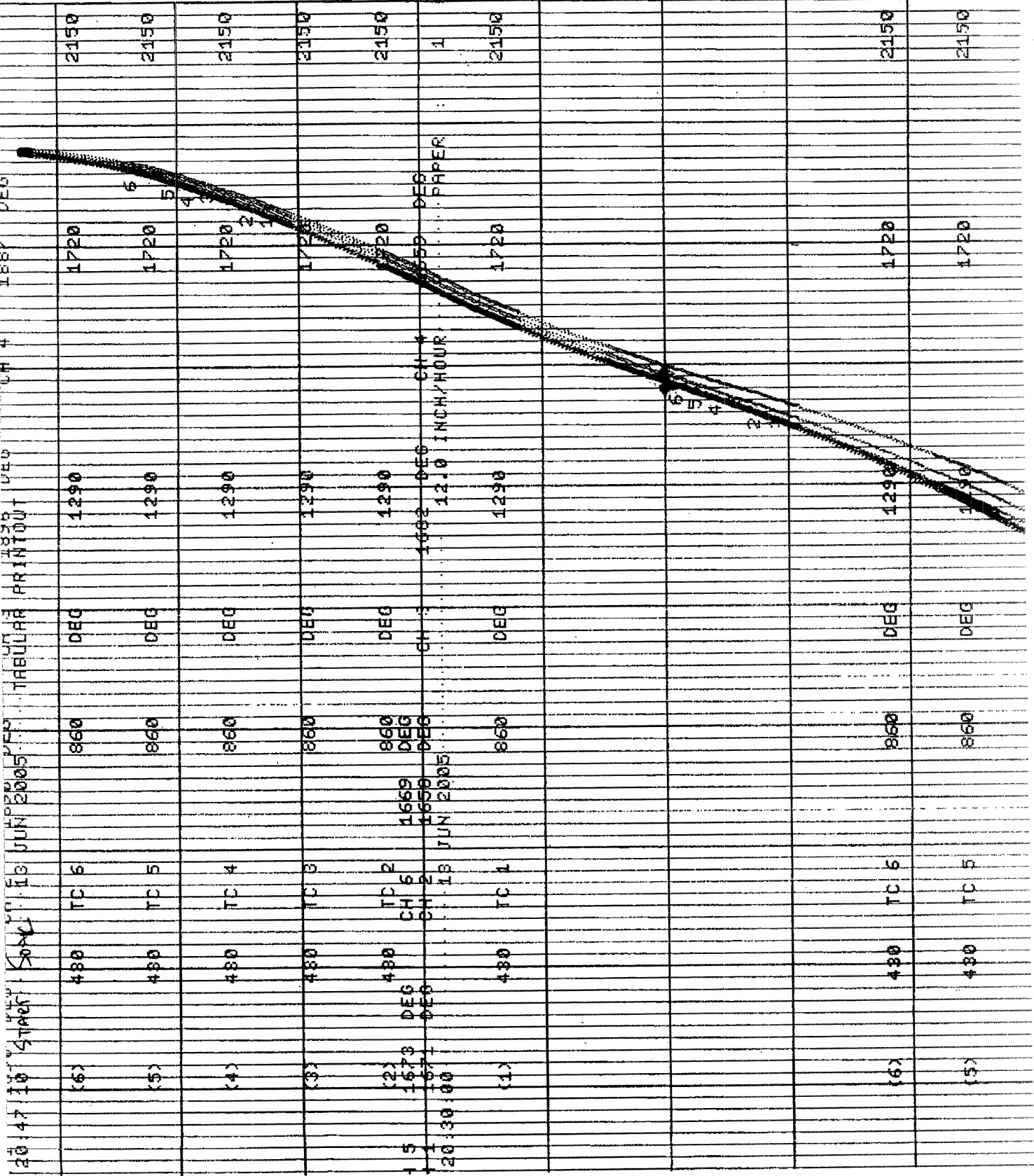
EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 6/13/05 COMPANY: MAJOR TOOL
 LOAD #: 05-1060 MATERIAL: INC 605
 QTY: 2 P/N: SE180-003-1-10
65678-274 # 65678-30/4
 FURNACE: GF-1 ATMOS: AIR
 REF. SPEC: AMS-274-A
 RECORDER: OPR-03 TIME START: 7:20pm



JUN 16 2005

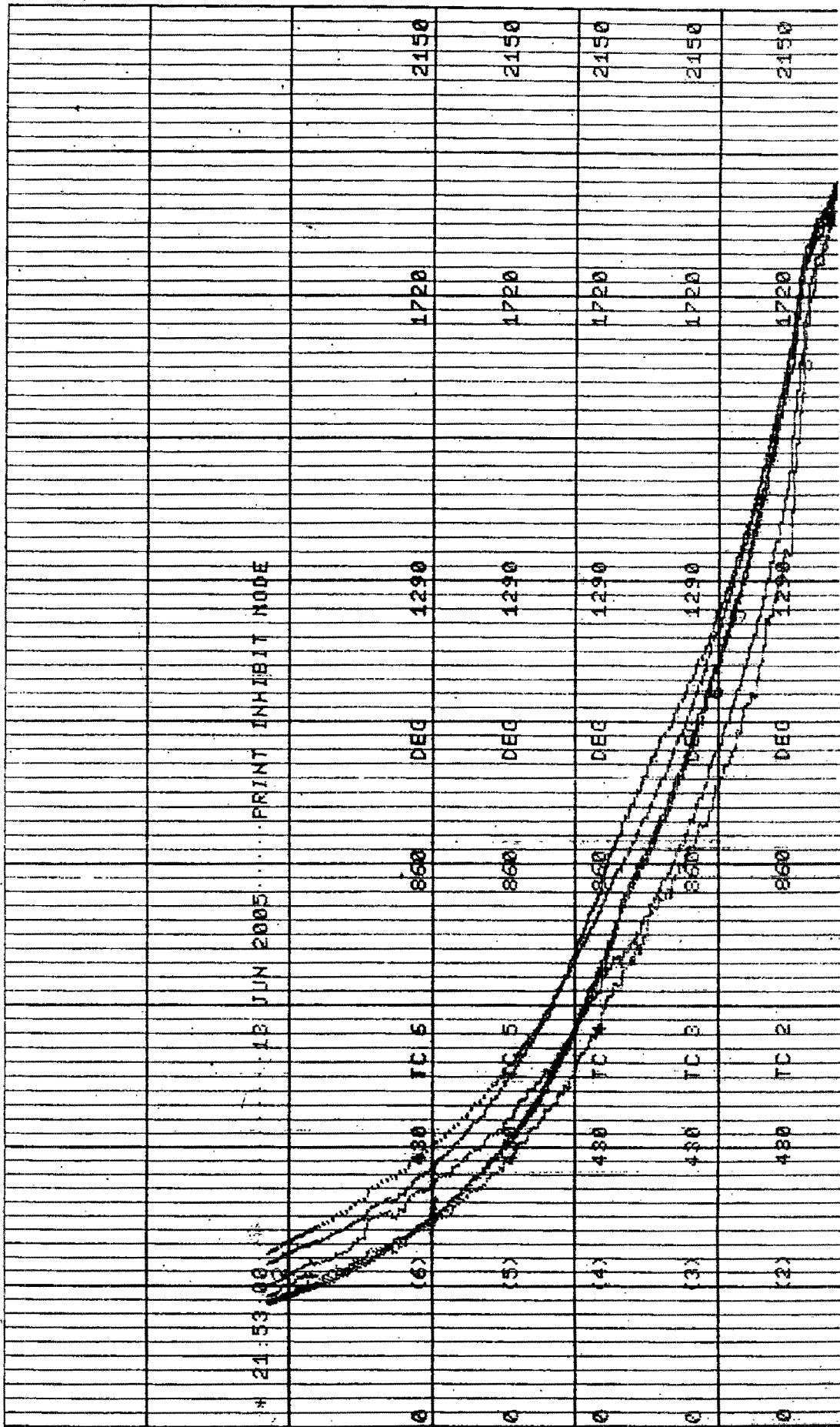
4275 KA

4275 KA



4275 Ka

LINE	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	REMARKS
(6)	430 TC 6	860	DEC	1290	1720	5 4 3 1
(5)	430 TC 5	860	DEC	1290	1720	5 4 3 1
(4)	430 TC 4	860	DEC	1290	1720	
(3)	430 TC 3	860	DEC	1290	1720	
(2)	430 TC 2	860	DEC	1290	1720	
(1)	430 TC 1	860	DEC	1290	1720	12.0 INCH/HOUR PAPER
21,000.00						5 4 3 1



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.		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

1/13/04

82372 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. [Signature]
 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: _____	TENSILE As Welded	Heat Treated
	Magna Gage: _____	Yield _____	_____
	X-Ray: _____	Tensile _____	_____
	Bends: _____	Elongation _____	_____
	Hardness: _____	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

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.		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


1/13/2004

82372 *Line 1*
D.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

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.						
1	1/16 X 36"	ARCOS 625	AB8051						
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

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.

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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

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

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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
 2 7

12/5/03