



PRINCETON PLASMA PHYSICS LAB

Purchase Order Number:

S005243-F

Part Number:

VVSA PANELS

Part Name:

VVSA FORMED PANELS

MTM Work Order Number:

65678/5.0



Major

Tool & Machine, Inc.

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

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

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
2	11	10	10	Material Certification: / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108618.TIF / 2650 5 6797
3	31	10	10	Material Certification: / SE120-003 PANEL 1 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108623.TIF / 2650 5 6797

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
4	12	10	10	Material Certification: / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108601.TIF / 2650 5 6797
5	32	10	10	Material Certification: / SE120-003 PANEL 2 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108602.TIF / 2650 5 6797

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
6	13	10	10	Material Certification: / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108564.TIF / 2650 5 6797
7	33	10	10	Material Certification: / SE120-003 PANEL 3 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108563.TIF / 2650 5 6797

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
8	14	10	10	Material Certification: / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108560.TIF / 2650 5 6804
9	34	10	10	Material Certification: / SE120-003 PANEL 4 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108559.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: / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108556.TIF / 2650 5 6797
11	35	10	10	Material Certification: / SE120-003 PANEL 5 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108579.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: / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108872.TIF / 2650 5 6804
13	36	10	10	Material Certification: / SE120-003 PANEL 6 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108873.TIF / 2650 5 6804

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
14	17	10	10	Material Certification: / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108526.TIF / 2650 5 6797
15	37	10	10	Material Certification: / SE120-003 PANEL 7 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108525.TIF / 2650 5 6797

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
16	18	10	10	Material Certification: / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108598.TIF / 2650 5 6804
17	38	10	10	Material Certification: / SE120-003 PANEL 8 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108597.TIF / 2650 5 6804

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

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
18	19	10	10	Material Certification: TRACE ID: 119908 / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC107667.TIF / 2650 5 6804
19	39	10	10	Material Certification: / SE120-003 PANEL 9 BLANK - VVSA PANEL SEGMENT FLAT BLANK - mc108866.TIF / 2650 5 6804

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
20	20	10	10	Material Certification: / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108530.TIF / 2650 5 6804
21	40	10	10	Material Certification: / SE120-003 PANEL 10 BLANK - VVSA PANEL SEGMENT FLAT BLANK - MC108529.TIF / 2650 5 6804

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
22	1	30		Furnace charts: FURNACE CHART - mc110109.tif
23	1	30		Certification: H/T CERTIFICATE - Same as Item #22
24	21	30		Furnace charts: FURNACE CHART - mc110110.tif
25	21	30		Certification: H/T CERTIFICATE - Same as Item #24

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 - mc110115.tif
27	2	30		Furnace charts: FURNACE CHART - Same as Item #26
28	22	30		Furnace charts: FURNACE CHART - mc110116.tif
29	22	30		Certification: H/T CERTIFICATE - 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 - mc110858.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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
34	4	30		Certification: H/T CERTIFICATE - MC111763.TIF
35	4	30		Furnace charts: FURNACE CHART - Same as Item #34
36	24	30		Furnace charts: FURNACE CHART - Same as Item #34
37	24	30		Certification: H/T CERTIFICATE - Same as Item #34

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
38	5	70		Furnace charts: FURNACE CHART - MC112125.TIF
39	5	70		Certification: H/T CERTIFICATE - Same as Item #38
40	25	30		Furnace charts: FURNACE CHART - mc109435.tif

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

41 25 30 Certification: H/T CERTIFICATE - Same as Item #40

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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42	6	30		Furnace charts: FURNACE CHART - mc110534.tif
43	6	30		Certification: H/T CERTIFICATE - Same as Item #42
44	26	30		Furnace charts: FURNACE CHART - Same as Item #42
45	26	30		Certification: H/T CERTIFICATE - Same as Item #42

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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46	7	30		Furnace charts: FURNACE CHART - MC110560.TIF
47	7	30		Certification: H/T CERTIFICATE - Same as Item #46
48	27	30		Furnace charts: FURNACE CHART - Same as Item #46
49	27	30		Certification: H/T CERTIFICATE - Same as Item #46

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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50	8	30		Furnace charts: FURNACE CHART - mc110540.tif
51	8	30		Certification: H/T CERTIFICATE - Same as Item #50
52	28	30		Furnace charts: FURNACE CHART - Same as Item #50
53	28	30		Certification: H/T CERTIFICATE - Same as Item #50

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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54	9	30		Furnace charts: FURNACE CHART - mc110856.tif
55	9	30		Certification: H/T CERTIFICATE - Same as Item #54
56	29	30		Furnace charts: FURNACE CHART - Same as Item #54
57	29	30		Certification: H/T CERTIFICATE - Same as Item #54

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

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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58	10	30		Furnace charts: FURNACE CHART - MC110562.TIF
59	10	30		Certification: H/T CERTIFICATE - Same as Item #58
60	30	30		Furnace charts: FURNACE CHART - Same as Item #58
61	30	30		Certification: H/T CERTIFICATE - Same as Item #58

WELD WIRE

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
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62	0	10	10	Material Certification: / INCONEL625_062_GTAW - WELD WIRE/GTAW, .062 DIA - MC094944.TIF / AB8051
63	0	10	20	Material Certification: TRACE ID: 95568 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095629.TIF / CB7996
64	0	10	20	Material Certification: / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC095872.TIF / CB7996



TO: PRINCETON PLASMA PHYSICS LAB

DATE: 09/30/2005

ATTENTION: Receiving Department

Seller certifies that:

Part Number: **VVSA PANELS**

Purchase Order: **S005243-F**

Part Name: **VVSA FORMED PANELS**

Workorder: **65678/5.0**

Part Serial Number:

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.
 - [X] From materials for which the seller has available for examination chemical and/or physical test reports or other evidence of conformance to applicable specifications.
3. All processes required in the production of these part and/or materials are listed below and were performed by a facility or personnel approved or certified by the Seller and the customer when such approval or certification is required by contract.

Certifications are on file at this plant.

Other Requirements:

Signature: *Corky Lonaker*

Title: *QUALITY INSPECTOR*

Date: *9-30-05*

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435100004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050527081	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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HAYNES
International

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

Sold 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	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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
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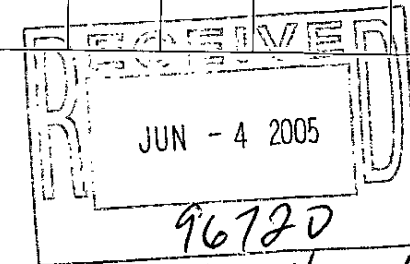
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05																BUTT END *03

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

5/27/2005

Amanda Aguirre

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch							
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA		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		Test Essai Versuch	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA		
133000 PSI		78500 PSI	40 %		(1)(A)	Temp:							Temp:						

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

5/27/2005

(1) 2742656803

Amanda Aguirre

JUN 04 2005



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Sold 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	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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durete Recuit Geglueht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngroesse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
90 HRB	(1)(A)	5								MPY										

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

5/27/2005

(1) 2742656803

Amanda Aguirre

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435100004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050527081	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		Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003-PANEL 1 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100	
Specification • Specification • Spezifikation ASME-SB-443, 04, 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: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

JUN 04 2005



mct108618.tif (1620x2122x2 tiff) [4]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435100005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050527080	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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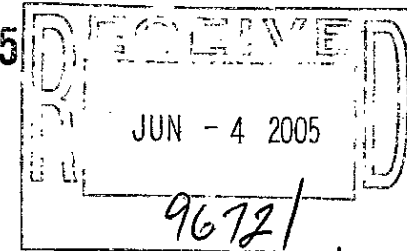
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cr+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
	Cr(Nb)	Ta	Zr	Bi	Se	La	Cu+Ni	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03
2650 5 6797	3.4713	<0.05																BUTT END *03

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

5/27/2005

Amanda Aguirre

JUN 04 2005



Line 5 B.7

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435100005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050527080	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantitie Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgraeze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgraeze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgraeze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgraeze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
133000 PSI		78500 PSI	40 %	(1)(A)	Temp:										

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

Amanda Aguirre

5/27/2005

(1) 2742656803

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

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Sold To • Client • Bestellaranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinaire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003 PANEL 1 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Geglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngrösse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constrainte Spannung	Hours Heures Stunden
90 HRB	(I)(A)	5								MPY										

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

5/27/2005

(1) 2742656803

Amanda Aguirre

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435100005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00965	Report No. Rapport No Zeugnis Nr 20050527080	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantitie 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: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435388004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527077	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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

Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
---	--	--

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

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96716
JUN 04 2005
MTM 05

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435388004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527077	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch					
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgranze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgranze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgranze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgranze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch Temp:	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
133000 PSI		78500 PSI	40 %		(1)(A)												

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

5/27/2005 (1) 2742656803

JUN 04 2005
MTM 09 *96716*

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Invoice No No. De Facture Rechnungs Nr 435388004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527077	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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**MAJOR TOOL AND MACHINE INC
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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 2 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100**

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

Annealed Hardness Dureté Recuit Gegluht Haerte	Aged Hardness Dureté Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngrösse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predomnant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
90 HRB	(1)(A)	5								MPY										

Certified By • Certifié Par • Bescheinigt Durch: Amanda Aguirre
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5/27/2005 (1) 2742656803

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JUN 04 2005
46770



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435388004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527077	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician 5/27/2005

Amanda Aguirre

JUN 04 2005

GC 716



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Invoice No No. De Facture Rechnungs Nr 435388005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527084	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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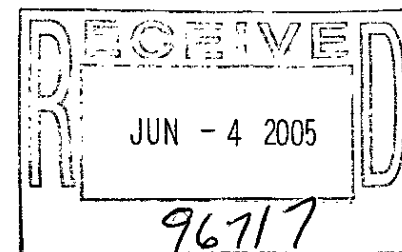
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	Ta <0.05	Zr	Bi	Se	La	Cb+Ta Nb+Ta	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03

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JUN 04 2005



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Invoice No No. De Facture Rechnungs Nr 435388005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527084	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA
133000 PSI		78500 PSI	40 %	(1)(A)

Tensile Test at Elevated Temperature • Essai De Traction A Hte.Temp. Warm Zugversuch					
Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% 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

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Certification Technician

Amanda Aguirre

5/27/2005

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Invoice No No. De Facture Rechnungs Nr 435388005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00967	Report No. Rapport No Zeugnis Nr 20050527084	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 • Bestelmenge 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 2 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC	

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

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Certification Technician

Amanda Aguirre

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435389004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No Zeugnis Nr 20050527122	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Heat Number Numero De Codee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05																BUTT END *03

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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch						
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA	Temp.	Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA	Temp.	Test Essai Versuch	Stress Constraint Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
133000 PSI		78500 PSI	40 %	(1)(A)													

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


Amanda Aguirre

5/27/2005

(1) 2742656803

mct108564.tif (1686x2098x2 tiff) [2]

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435389004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No Zeugnis Nr 20050527122	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Sold 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		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
Specification • Specification • Spezifikation ASME-SB-443, 04, 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: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre

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mct108564.tif (1686x2126x2 tiff) [4]

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Invoice No No. De Facture Rechnungs Nr 435389005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No Zeugnis Nr 20050527121	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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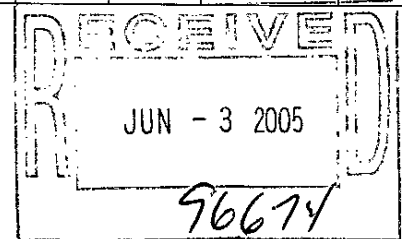
Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb-Ta (Nb-Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05																BUTT END *03

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

5/27/2005

Amanda Aguirre



Line 5 BcJ

JUN 03 2005



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435389005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No Zeugnis Nr 20050527121	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch							
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch Temp:	Stress Constrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA		
133000 PSI		78500 PSI	40 %		(1)(A)														

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Certification Technician

Amanda Aguirre

5/27/2005 (1) 2742656803

mct108563.tif (1686x2100x2 tiff) [2]

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Geglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosneur De Grain Korngroesse							IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture							
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth			Corrosion	Test Method		Toughness Avg Ft. Lbs.	Toughness 1 Ft. Lbs.	Toughness 2 Ft. Lbs.	Toughness 3 Ft. Lbs.	Test Estal Versuch Temp:	Stress Constrainte Spannung PSI	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs			
90 HRB	(1)(A)	5									MPY														

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre** 5/27/2005 (1) 2742656803
Certification Technician

Amanda Aguirre

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mtc108563.tif (1686x2114x2 tiff) [3]

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Invoice No No. De Facture Rechnungs Nr 435389005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00994	Report No. Rapport No Zeugnis Nr 20050527121	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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mcl108563.tif (1686x2127x2 tiff) [4]

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435391007-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527123	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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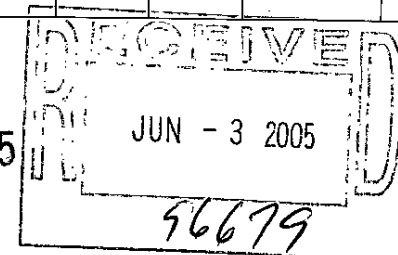
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
	CHNb	Ta	Zr	Bi	Se	La	CH-Cu*	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		
2650 5 6804	3.4769	<0.05																BUTT END *02

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

5/27/2005

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Specification • Specification • Spezifikation ASTM-B-443, 00c1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Tensile Test at Room Temperature • Essai De Traction A Temp. Ambiante • Zugversuch Bei Raum Temp.				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA
131000 PSI		61000 PSI	48 %	(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% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA
Temp:					

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Test Essai Versuch	Stress Constraunte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
Temp:				

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

5/27/2005

(1) 2742656802

Amanda Aguirre



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Invoice No No. De Facture Rechnungs Nr 435391007-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client KundenbestlIdaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527123	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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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

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
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Annealed Hardness Durette Recuit Geglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngroesse							IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture											
		Grain Size	Prolongment Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth			Corrosion	Test Method		Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% Elong @ 15 Hrs							
99 HRB	(1)(A)	6									MPY																		

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

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Amanda Aguirre

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

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Product Description • Description Produit • Material Beshreibung
**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**

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Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre



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Invoice No No. De Facture Rechnungs Nr 435391006-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527124	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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
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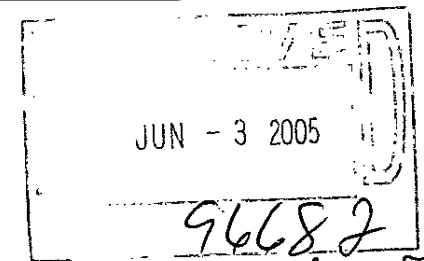
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
	Cr+Nb	Ta	Zr	Bi	Se	La	Cr+Cu	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *02
2650 5 6804	3.4769	<0.05																BUTT END *02

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

5/27/2005

Amanda Aguirre

JUN 03 2005



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*Line 5
B-1*

mt108559.tif (1668x2117x2.tif)

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435391006-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527124	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Sold 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
---	---

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	
Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC

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

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

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

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Test Essai Versuch Temp:	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA

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

Amanda Aguirre

5/27/2005

(1) 2742656802



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435391006-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527124	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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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**

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
--	---	--

Annealed Hardness Durete Recuit Gegluht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngrösse					IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test				Creep Rupture				
		Grain Size	Prodominant Grain Size	Roxry. Grain	Unrecry. Grain %	ALA					P&W Figure Number	Attack Depth	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch
99 HRB	(1)(A)	6																	

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Certification Technician

Amanda Aguirre

5/27/2005 (1) 2742656802

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mct108559.tif (1628x2121x2 tiff) [3]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435391006-0	Date Entered Date De Commande Bestelldatum 03/07/05	Customer Reference Reference Client Kundenbestelldaten P05-00996	Report No. Rapport No Zeugnis Nr 20050527124	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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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
--

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

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

5/27/2005

Amanda Aguirre



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527117	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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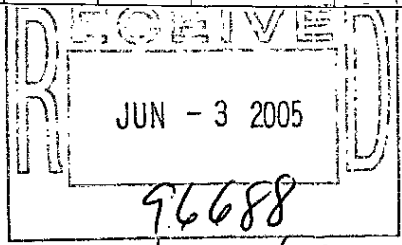
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	3.4713	<0.05																BUTT END *03

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

5/27/2005

Amanda Aguirre

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527117	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expedtee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch							
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA		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		Test Essai Versuch	Stress Constraente Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA		
133000 PSI		78500 PSI	40 %		(1)(A)	Temp:							Temp:						

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

5/27/2005

(1) 2742656803

Amanda Aguirre



JUN 03 2005

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527117	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durete Recuit Geglueht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngroesse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predomnant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constraite Spannung	Hours Heures Stunden
90 HRB	(1)(A)	5								MPY										

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre** 5/27/2005 (1) 2742656803
Certification Technician

Amanda Aguirre



JUN 03 2005

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527117	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantie 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: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

5/27/2005

Amanda Aguirre



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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No. Zeugnis Nr 20050527086	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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 Expediee Liefermenge 1 PC
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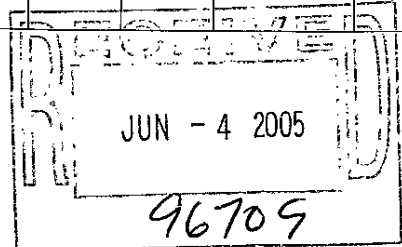
Heat Number Numero De Coatee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
	^(CNb)	Ta	Zr	Bi	Se	La	^(CNcb)	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *02
2650 5 6804	3.4769	<0.05																

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Certification Technician

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527086	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch					
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Stress Constraime Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
131000 PSI		61000 PSI	48 %		(1)(A)	Temp:							Temp:				

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

Amanda Aguirre

5/27/2005

(1) 2742656802

JUN 04 2005
MTM 09

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527086	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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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
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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
--	---	--

Annealed Hardness Durete Recuit Gegluht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngroesse							IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture																			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth			Corrosion	Test Method		Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constrainte Spannung	Hours Heures Stunden	% Elong In % Along EN % Dehnung	% Elong @ 15 Hrs															
99 HRB	(1)(A)	6								MPY																											

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

HTM 09
JUN 04 2005

mct108579.tif (1620x2133x2 tiff) [3]

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435564007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00997	Report No. Rapport No Zeugnis Nr 20050527086	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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PO Box 9013
Kokomo, Indiana, 46902

Sold To • Client • Bestellaranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinaire • Bestelmenge 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 5 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100**

Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered 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: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre

JUN 04 2005



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Invoice No No. De Facture Rechnungs Nr 435568004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527067	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4															
Sold To • Client • Bestellaranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA			Ship To • Destinaaire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003-PANEL 6 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100														
Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E			Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC															
Heat Number Numero De Coatee Charge Nr 2650 5 6804	Chemical Analysis • Analyse Chimique • Chemische Analyse																		
	Al	B	C	Ch+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W		
	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
	Cu+Ni	Ta	Zr	Bi	Se	La	C+N+Cu	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo			
2650 5 6804	3.4664	<0.05																	BUTT END *03

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

5/27/2005

Amanda Aguirre

JUN 10 2005

MTM 016 JUN 10 2005

96901 *WJ*

Line 4

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mc108872.tif (1686x2170x2 tiff)

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Invoice No No. De Facture Rechnungs Nr 435568004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527067	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 • Bestelmenge
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 6 REV:0A
HAYNES(R) 625 ALLOY PLATE -
Nadcap CERTIFICATE NUMBER 0089
S400E,S1000E, EN 10204 3.1.B, AS9100

Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
--	--	---

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

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

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Test Essai Versuch Temp.	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA % RA

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

5/27/2005 (1) 2742657101

Amanda Aguirre

MTM 016 JUN 10 2005

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mc108872.tif (1676x2168x2 tiff) [2]

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Invoice No
No. De Facture
Rechnungs Nr
435568004-0

Date Entered
Date De Commande
Bestelldatum
03/08/05

Customer Reference
Reference Client
Kundenbestelldaten
P05-00999

Report No.
Rapport No
Zeugnis Nr
20050527067

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

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Kokomo, Indiana, 46902

Sold To • Client • Bestellanschrift

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

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

Specification • Specification • Spezifikation

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

Quantity Ordered
Quantite Commandee
Bestelmenge
1 PC

Quantity Shipped
Quantite Expediee
Liefermenge
1 PC

Annealed Hardness Durete Recuit Gegluht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngroesse						IGA	Uniformity	Corrosion Rate	Oxidation Rate	Charpy Impact Test				Creep Rupture					
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number					Attack Depth	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
98 HRB	(1)(A)	6																			

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

5/27/2005

(1) 2742657101

Amanda Aguirre

MTM 016 JUN 10 2005

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mc108872.tif (1684x2130x2 tiff) [3]

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Invoice No No. De Facture Rechnungs Nr 435568004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527067	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestellaranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinaire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003-PANEL 6 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E			Quantity Ordered 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: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre



JUN 10 2005

mc108872.tif (1684x2178x2 tiff) [4]

JUN 1 2005



Magnetic Permeability Test Witness

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

Heats Tested

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

Purchase Order Numbers

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

Best Regards,

Marlin C. Losch III

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

FILE COPY 2

Invoice No No. De Facture Rechnungs Nr 435568005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527066	Pages of Pages Page de Pages Anzahl der Seiten 1 OF 4
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HAYNES
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Kokomo, Indiana, 46902

Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003 PANEL 6 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
---	---	--

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

Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																		
	Al	B	C	CH+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W		
2650 5 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	(C+N)	Ta	Zr	Bi	Se	La	C+N+Cu	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo			BUTT END *03
	3.4664	<0.05																	

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

5/27/2005

Amanda Aguirre

MTM 016 JUN 10 2005

JUN 10 2005
96902 DT

line 5

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mc108873.tif (1636x2110x2 tiff)

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FILE COPY 2

HAYNES
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Invoice No No. De Facture Rechnungs Nr 435568005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527066	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
---	---

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**

Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantitie Expeditee Liefermenge 1 PC
--	---	--

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

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

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

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:						

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch

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

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

5/27/2005 (1) 2742657101

Amanda Aguirre
MTM 016 JUN 10 2005

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Kokomo, Indiana, 46902

Invoice No No. De Facture Rechnungs Nr 435568005-0		Date Entered Date De Commande Bestelldatum 03/08/05		Customer Reference Reference Client Kundenbestelldaten P05-00999			Report No. Rapport No Zeugnis Nr 20050527066		Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4												
Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA					Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA					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											
Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E								Quantity Ordered Quantite Commandee Bestellemenge 1 PC		Quantity Shipped Quantite Expediee Liefermenge 1 PC											
Annealed Hardness Durete Recuit Gegluht Haerte		Aged Hardness Durete Vieilli Gealtert Haerte		Grain Size Grosueur De Grain Korngrösse				IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test			Creep Rupture					
				Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth	Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN	% Elong @ 15 Hrs
98 HRB		(1)(A)		6							MPY		Ft. Lbs.	Ft. Lbs.	Ft. Lbs.	Ft. Lbs.	Temp:	PSI			

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

5/27/2005 (1) 2742657101

Amanda Aguirre

 JUN 10 2005

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mc108873.tif (1660x2147x2 tiff) [3]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

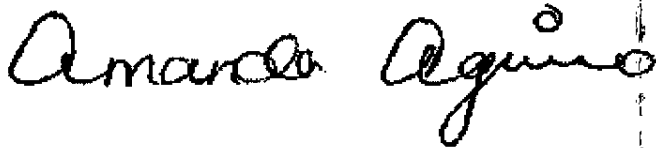
FILE COPY 2

Invoice No No. De Facture Rechnungs Nr 435568005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-00999	Report No. Rapport No Zeugnis Nr 20050527066	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4	<p align="center"><u>HAYNES</u> <u>International</u></p> <p align="right">Haynes International 1020 West Park Avenue PO Box 9013 Kokomo, Indiana, 46902</p>
Sold 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		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	
Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E			Quantity Ordered Quantite Commandee Bestellemenge 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: 2742657101 (1 PC)
 (A) 1750 °F to 1950 °F

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

5/27/2005



JUN 10 2005



mc108873.tif (1556x2136x2 tiff) [4]



JUN 10 2005

Magnetic Permeability Test Witness

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

Heats Tested

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

Purchase Order Numbers

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

Best Regards,

Marlin C. Losch III

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435571004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527071	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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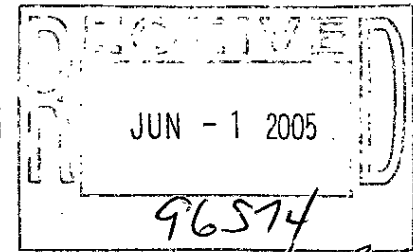
Heat Number Numero De Charge Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	Cb(Nb) 3.4713	Ta <0.05	Zr	Bi	Se	La	Cs+N-Ce	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03

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

5/27/2005

Amanda Aguirre

JUN 01 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435571004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527071	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch							
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Stress Constraite Spannung	Hours Hours Stunden	% Elong In % Allong EN % Dehnung	% RA		
133000 PSI		78500 PSI	40 %		(1)(A)	Temp:							Temp:						

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

Amanda Aguirre

5/27/2005

(1) 2742656803



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Sold 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	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
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durete Recuit Geglueht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngrösse					IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture					
		Grain Size	Prodominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA			P&W Figure Number	Attack Depth		Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung
90 HRB	(1)(A)	5							MPY												

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

5/27/2005

(1) 2742656803

Amanda Aguirre



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Invoice No No. De Facture Rechnungs Nr 435571004-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527071	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E			

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
--

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

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre** 5/27/2005
Certification Technician

Amanda Aguirre



JUN 01 2005

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- 7a

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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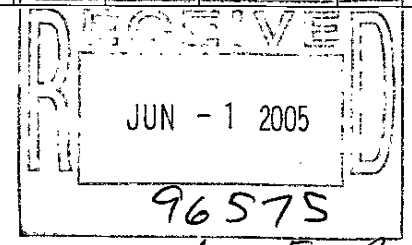
Heat Number Numero De Coulce Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6797	0.29		0.031	3.47	0.2854	22.14	0.067	4.3835	0.2697	8.56	60.27	0.007	0.002	0.19	0.2943			BUTT END *03
2650 5 6797	^(CNSD) 3.4713	^(CNSD) <0.05																BUTT END *03

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Certification Technician

5/27/2005

Amanda Aguirre

JUN 01 2005



Line 5 B.A.

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 OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.

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Invoice No No. De Facture Rechnungs Nr 435571005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527070	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrænze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrænze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrænze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrænze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Stress Constrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
133000 PSI		78500 PSI	40 %		(1)(A)										

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

5/27/2005

(1) 2742656803

Amanda Aguirre



JUN 01 2005

mct108525.tif (1612x2160x2 tiff) [2]

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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	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
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestelldmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Geglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngroesse							IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth			Corrosion	Test Method		Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung
90 HRB	(1)(A)	5								MPY											

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

5/27/2005

(1) 2742656803

Amanda Aguirre



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Invoice No No. De Facture Rechnungs Nr 435571005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01001	Report No. Rapport No Zeugnis Nr 20050527070	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expeditee Liefermenge 1 PC
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All tests and inspections have been performed and results meet specification requirements.
THIS MATERIAL IS FREE FROM MERCURY, CADMIUM, RADIUM, AND ALPHA SOURCE CONTAMINATION.
Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656803 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre



JUN 01 2005

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Invoice No No. De Facture Rechnungs Nr 435572007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten POS-01002	Report No. Rapport No Zeugnis Nr 20050527129	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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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 Expediee Liefermenge 1 PC
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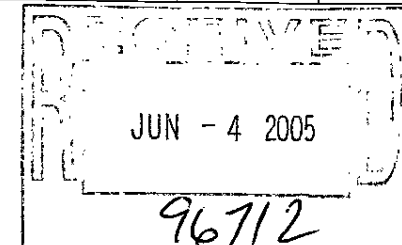
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804	3.4769	<0.05																BUTT END *02

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

5/27/2005

Amanda Aguirre

JUN 04 2005



Line 4 *B.J.*

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Invoice No No. De Facture Rechnungs Nr 435572007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527129	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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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
131000 PSI		61000 PSI	48 %	(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
Temp:					

Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Test Essai Versuch	Stress Constrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
Temp:				

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

Amanda Aguirre

5/27/2005 (1) 2742656802



JUN 04 2005

mcl108598.tif (1620x2141x2 tiff) [2]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435572007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527129	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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Sold 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
---	---

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
--

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
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Annealed Hardness Dureté Recuit Geglüht Härte	Aged Hardness Dureté Vieilli Gealtert Härte	Grain Size Grosseur De Grain Korngrösse					IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture				
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA			P&W Figure Number	Attack Depth		Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
99 HRB	(1)(A)	6							MPY											

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

5/27/2005

(1) 2742656802

Amanda Aguirre



JUN 04 2005

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIÉ • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435572007-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527129	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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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
--

Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie 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: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre

JUN 04 2005



CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435572006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527130	Pages of Pages Page de Pages Anzahl der Seiten 1 Of 4
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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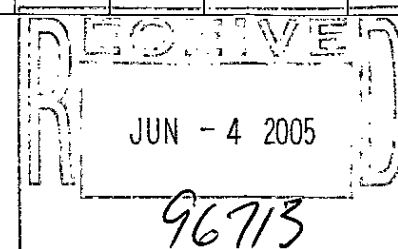
Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cr+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 6804	0.22		0.021	3.48	0.1738	21.73	0.0707	3.9177	0.249	8.79	60.34	0.007	<0.002	0.14	0.2695			BUTT END *02
2650 5 6804	3.4769	<0.05																BUTT END *02

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

5/27/2005

Amanda Aguirre

JUN 04 2005



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Invoice No No. De Facture Rechnungs Nr 435572006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527130	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie 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.						Tensile Test at Elevated Temperature • Essai De Traction A Hte.Temp. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch							
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA		
131000 PSI		61000 PSI	48 %		(1)(A)	Temp:							Temp:						

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

5/27/2005 (1) 2742656802

Amanda Aguirre

JUN 04 2005



mcl108597.tif (1620x2089x2 tiff) [2]

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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
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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Ceglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosneur De Grain Korngrösse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
99 HRB	(1)(A)	6								MPY										

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

5/27/2005 (1) 2742656802

JUN 04 2005
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Invoice No No. De Facture Rechnungs Nr 435572006-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01002	Report No. Rapport No Zeugnis Nr 20050527130	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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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	

All tests and inspections have been performed and results meet specification requirements.
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Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742656802 (1 PC)
(A) 1750 °F to 1950 °F

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

5/27/2005

Amanda Aguirre

JUN 04 2005



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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantité Commandée Bestelmenge 1 PC	Quantity Shipped Quantité Expédiée Liefermenge 1 PC
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Heat Number Numero De Coque Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	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

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

4/19/2005

Amanda Aguirre

4/27/05
MTM
09

APR 27 2005
95644

Line 4 B.3.

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CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435574003-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr 20050419079	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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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
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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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch					
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA	Temp.	Test Essai Versuch Temp.	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgrenze	% Elong In % Allong EN % Dehnung	%RA	Temp.	Test Essai Versuch Temp.	Stress Constraite Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% 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

4/27/05

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Sold To • Client • Bestellanschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Ship To • Destinataire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA	Product Description • Description Produit • Material Beschreibung 0.375 x 0/0 x 0/0 SE120-003 PANEL 9 REV:0A HAYNES(R) 625 ALLOY PLATE - Nadcap CERTIFICATE NUMBER 0089 S400E,S1000E, EN 10204 3.1.B, AS9100
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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
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Annealed Hardness Durete Recuit Gegluht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosseur De Grain Korngrösse					IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture				
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA			P&W Figure Number	Attack Depth		Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
98 HRB	(1)(A)	6							MPY											

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

4/19/2005

(1) 2742657101

Amanda Aguirre

4/27/05

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Specification • Specification • Spezifikation ASTM-B-443, 00e1, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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All tests and inspections have been performed and results meet specification requirements.
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Material conforms to PS-483 Revision H as applicable.
Mill Orders Used: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

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Certification Technician

4/19/2005

Amanda Aguirre

4/27/05
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Heat Number Numero De Coulee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	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	(Sb)	Ta	Zr	Bi	Se	La	C+N+O ₂	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03
	3.4664	<0.05																

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

5/27/2005

Amanda Aguirre

MTM 016 JUN 09 2005

JUN 9 2005
96874 DA

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Invoice No No. De Facture Rechnungs Nr 435574005-0	Date Entered Date De Commande Bestelldatum 03/08/05	Customer Reference Reference Client Kundenbestelldaten P05-01003	Report No. Rapport No Zeugnis Nr 20050527058	Pages of Pages Page de Pages Anzahl der Seiten 2 Of 4
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PO Box 9013
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Sold 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	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
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch								
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgranze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgranze	% Elong In % Allong EN % Dehnung	%RA		Test Essai Versuch	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Strieckgranze	0.2% Yield Lim. Elast. A 0.2% 0.2% Strieckgranze	% Elong In % Allong EN % Dehnung	%RA		Temp:	Test Essai Versuch	Stress Constraunte Spannung	Hours Hours Stunden	% Elong In % Allong EN % Dehnung	% RA		
132000 PSI		68500 PSI	52 %		(1)(A)															

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

Amanda Aguirre

MTM 016 JUN 09 2005

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mc108866.tif (1588x2141x2 tiff) [2]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Geglucht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngroesse							IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number	Attack Depth			Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constraente Spannung	Hours Heures Stunden	% Elong In % Allong EN	% Elong @ 15 Hrs
98 HRB	(1)(A)	6								MPY											

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Certification Technician

5/27/2005 (1) 2742657101

Amanda Aguirre

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mc108866.tif (1548x2115x2 tiff) [3]

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantite Commandee Bestellemenge 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: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

Certified By • Certifie Par • Bescheinigt Durch: **Amanda Aguirre** 5/27/2005
Certification Technician

Amanda Aguirre

mc108866.tif (1580x2119x2 tiff) [4]

**MTM
016 JUN 09 2005**

JUN 09 2005
MIM
016

Magnetic Permeability Test Witness

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

Heats Tested

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

Purchase Order Numbers

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

Best Regards,



Marlin C. Losch III

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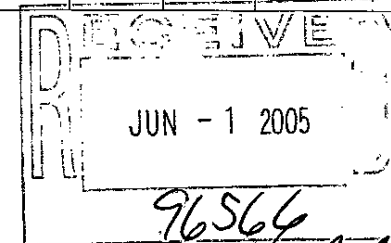
Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Heat Number Numero De Coalee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Ch+Ta (Nb+Ta)	Co	Cr	Cu	Fe	Mn	Mo	Ni	P	S	Si	Ti	V	W	
2650 5 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	^{CN+Ni} 3.4664	^{Ta} <0.05	Zr	Bi	Se	La	^{C+N+Cu}	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03

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Certification Technician

5/27/2005

Amanda Aguirre



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JUN 01 2005

mtc108530.tif (1678x2115x2.tif)

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Stress Constraainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
132000 PSI		68500 PSI	52 %												
				(1)(A)											

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

Amanda Aguirre

5/27/2005 (1) 2742657101

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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantie Commandee Bestellmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Annealed Hardness Durette Recuit Geglueht Haerte	Aged Hardness Durette Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngrösse					IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture				
		Grain Size	Predominant Grain Size	Recry. Grain	Uncryc. Grain %	ALA			P&W Figure Number	Attack Depth		Corrosion	Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Contrainte Spannung	Hours Heures Stunden
98 HRB	(1)(A)	6							MPY											

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5/27/2005 (1) 2742657101

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Invoice No No. De Facture Rechnungs Nr 435387005-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugnis Nr 20050527074	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
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Specification • Specification • Spezifikation ASME-SB-443 Chemistry Only, 04, 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: 2742657101 (1 PC)
(A) 1750 °F to 1950 °F

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

Amanda Aguirre

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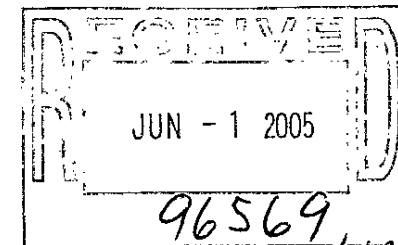
Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
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Heat Number Numero De Coutee Charge Nr	Chemical Analysis • Analyse Chimique • Chemische Analyse																	
	Al	B	C	Cb+Ta (Nb+Ta)	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	^(S/Nb) 3.4664	^(S/Nb) Ta <0.05	Zr	Bi	Se	La	^(S/Nb)	Pb	Mg	Y	Ag	N	Ca	Al+Ti	Ni+Co	Ni+Mo		BUTT END *03

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5/27/2005

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Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee 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. Warm Zugversuch						Stress Rupture Temperature • Essai A Charge De Rupture Zeitstandversuch				
Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Ultimate Zugfestigkeit	1% Yield Lim. Elast. A 1% 1% Streckgrenze	0.2% Yield Lim. Elast. A 0.2% 0.2% Streckgrenze	% Elong In % Allong EN % Dehnung	%RA	Test Essai Versuch Temp:	Stress Constrainte Spannung	Hours Heures Stunden	% Elong In % Allong EN % Dehnung	% RA
132000 PSI		68500 PSI	52 %	(1)(A)											

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

5/27/2005 (1) 2742657101

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 SPECIFICATION(S), MODIFIED BY ANY EXCEPTIONS OR PURCHASE ORDER REQUIREMENTS. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.



JUN 01 2005

mct108529.tif (1678x2101x2 tiff) [2]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

CUSTOMER COPY

Invoice No No. De Facture Rechnungs Nr 435387004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugnis Nr 20050527076	Pages of Pages Page de Pages Anzahl der Seiten 3 Of 4
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HAYNES
International

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

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

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

Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E	Quantity Ordered Quantite Commandee Bestellemenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC
---	---	--

Annealed Hardness Durete Recuit Geglueht Haerte	Aged Hardness Durete Vieilli Gealtert Haerte	Grain Size Grosueur De Grain Korngrösse						IGA	Uniformity	Corrosion Rate		Oxidation Rate	Charpy Impact Test				Creep Rupture			
		Grain Size	Predominant Grain Size	Recry. Grain	Unrecry. Grain %	ALA	P&W Figure Number			Attack Depth	Corrosion		Test Method	Toughness Avg	Toughness 1	Toughness 2	Toughness 3	Test Essai Versuch	Stress Constrainte Spannung	Hours Heures Stunden
98 HRB	(1)(A)	6								MPY										

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

5/27/2005 (1) 2742657101

THE DATA CONTAINED HEREIN WAS OBTAINED FROM SAMPLES THAT ARE REPRESENTATIVE OF THE PRODUCTS IN THE SUBJECT 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 OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF HAYNES INTERNATIONAL, INC. SPECIFICATION MARKING REQUIREMENTS MAY BE WAIVED ON ORDERS REQUIRING MULTIPLE MATERIAL SPECIFICATIONS.



JUN 01 2005

mct108529.tif (1678x2114x2 tiff) [3]

CERTIFICATION OF TESTS • RAPPORT D'ESSAIS CERTIFIE • WERKSZEUGNIS

Invoice No No. De Facture Rechnungs Nr 435387004-0	Date Entered Date De Commande Bestelldatum 03/06/05	Customer Reference Reference Client Kundenbestelldaten P05-00966	Report No. Rapport No Zeugnis Nr 20050527076	Pages of Pages Page de Pages Anzahl der Seiten 4 Of 4
Sold To • Client • Bestellaranschrift MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		Ship To • Destinaire • Bestellmenge MAJOR TOOL AND MACHINE INC 1458 E 19TH ST INDIANAPOLIS IN 46218 USA		
Specification • Specification • Spezifikation ASME-SB-443, 04, UNS# N06625, Gr. 1; PS-489, E		Quantity Ordered Quantite Commandee Bestelmenge 1 PC	Quantity Shipped Quantite Expediee Liefermenge 1 PC	

HAYNES
International

CUSTOMER COPY

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

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

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 • Certifie Par • Bescheinigt Durch: Amanda Aguirre
Certification Technician

5/27/2005

Amanda Aguirre



JUN 01 2005

65678



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50070

Vendor Code # 107576

6234 E. Hanna Avenue · Indianapolis, Indiana

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

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

HEAT # 05-1308

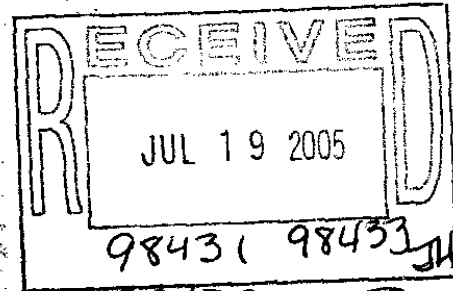
DATE SHIPPED 7-19-05

QUANTITY	DESCRIPTION
3 PCS	#SE120-003-1-1 JOB #65678-1/5, 65678-21/5, 65678-1/6 SEQ #30

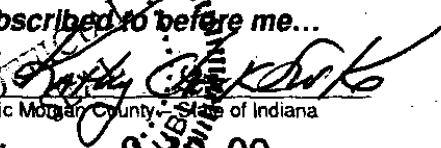
MATERIAL: INCO 625

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

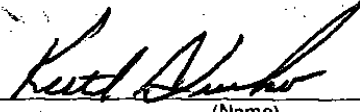
JUL 25 2005



Sworn and subscribed to before me...

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

My commission expires 9-30-09

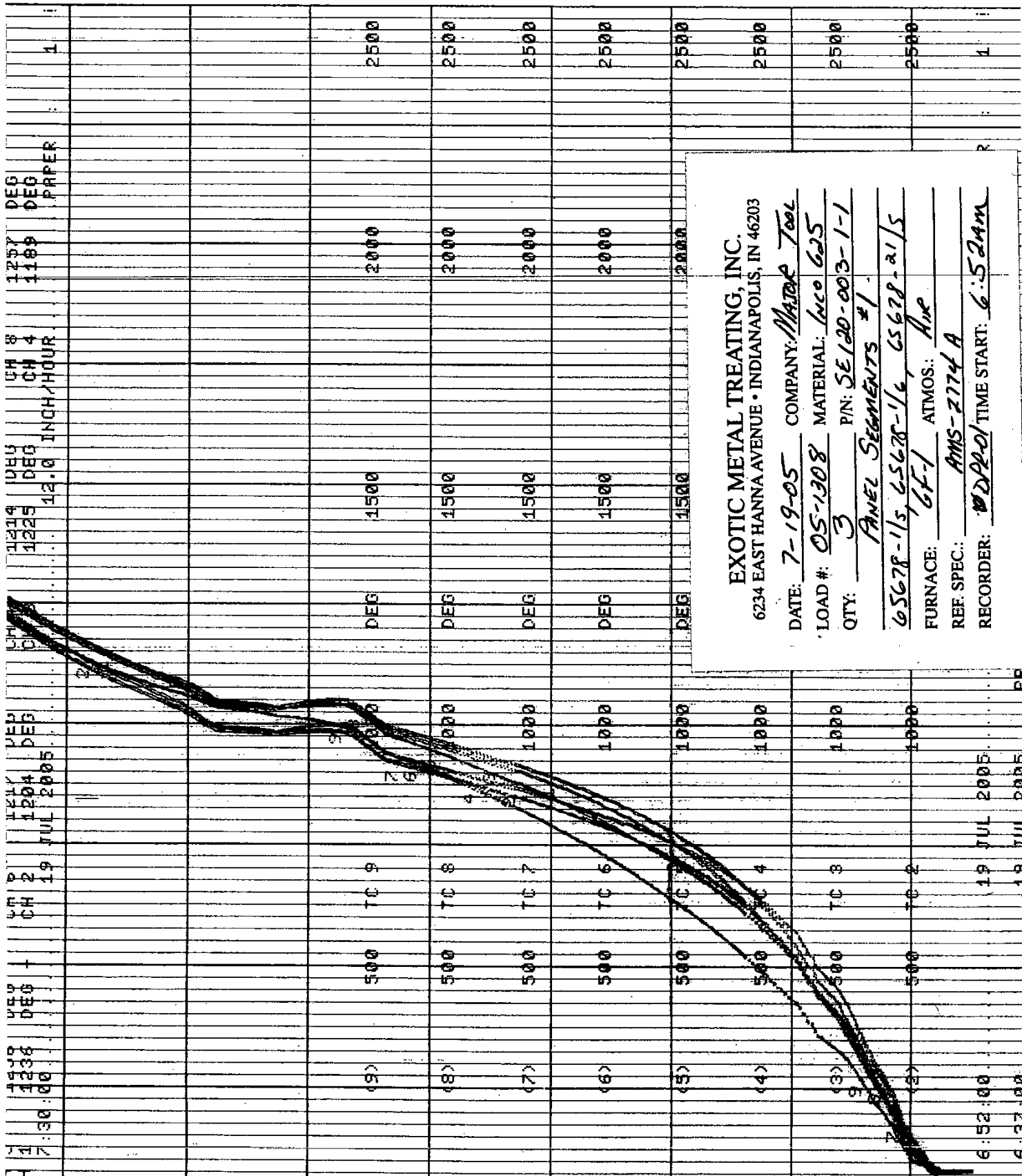


(Name)

QA

(Title)

4275 KA

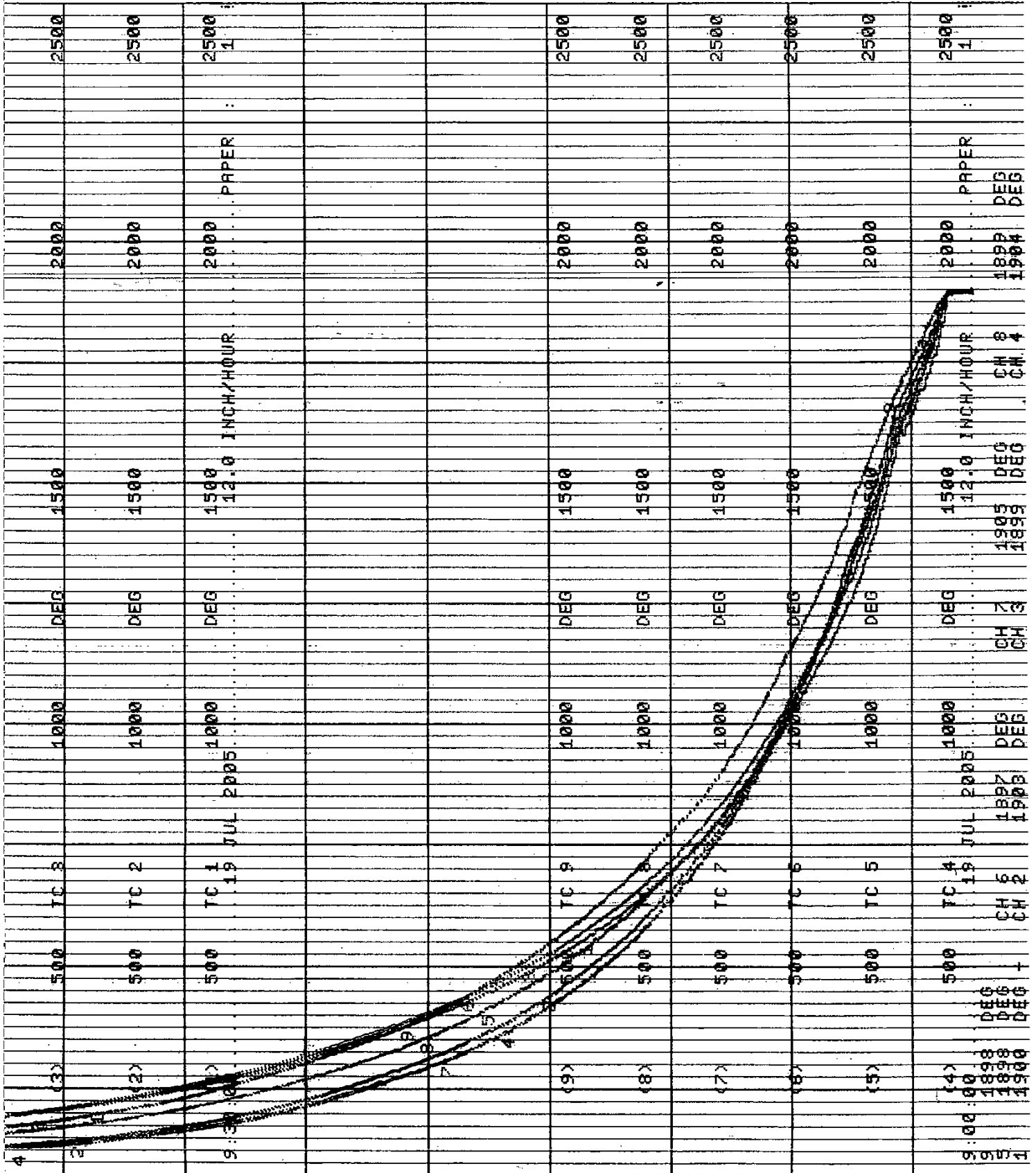


EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 7-19-05 COMPANY: MARTE TOOL
 LOAD #: 05-1308 MATERIAL: Inco 625
 QTY: 3 P/N: SE120-003-1-1
ANSEL SEGMENTS #1
 FURNACE: 6F-1 ATMOS: Air
 REF. SPEC.: AMS-2774 A
 RECORDER: DPD/ol TIME START: 6:52am

1	1887	DEC	+	CH 2	1888	DEC	CH 3	1885	DEC	CH 4	1855	DEC
8:14				19	JUL 2005		TABULAR PRINTOUT			1		
	(1)	500	TC 1		1000	DEC		1500			2000	2500
5	1816	DEC		CH 5	1805	DEC	CH 7	1808	DEC	CH 8	1814	DEC
5	1814	DEC		CH 2	1802	DEC	CH 3	1800	DEC	CH 4	1802	DEC
4	1802	DEC		CH 19	JUL 2005			12.0	INCH/HOUR			PAPER
8:00:00												1
	(9)	500	TC 9		1000	DEC		1500			2000	2500
	(8)	500	TC 8		1000	DEC		1500			2000	2500
	(7)	500	TC 7		1000	DEC		1500			2000	2500
	(6)	500	TC 6		1000	DEC		1500			2000	2500
	(5)	500	TC 5		1000	DEC		1500			2000	2500
	(4)	500	TC 4		1000	DEC		1500			2000	2500
	(3)	500	TC 3		1000	DEC		1500			2000	2500
	(2)	500	TC 2		1000	DEC		1500			2000	2500

(3)	500	TC 3	1000	DEG	1500	2000	2500
(2)	500	TC 2	1000	DEG	1500	2000	2500
(1)	500	TC 1	1000	DEG	1500	2000	2500
(9)	500	TC 9	1000	DEG	1500	2000	2500
(8)	500	TC 8	1000	DEG	1500	2000	2500
(7)	500	TC 7	1000	DEG	1500	2000	2500
8:30:00		19 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



65676



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50070

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

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

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

HEAT # 05-1308

DATE SHIPPED 7-19-05

QUANTITY

DESCRIPTION

3 PCS

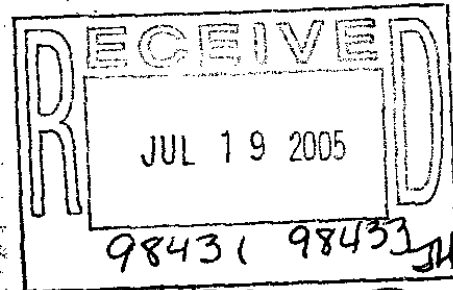
#SE120-003-1-1

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

MATERIAL: INCO 625

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

JUL 25 2005



Sworn and subscribed to before me...

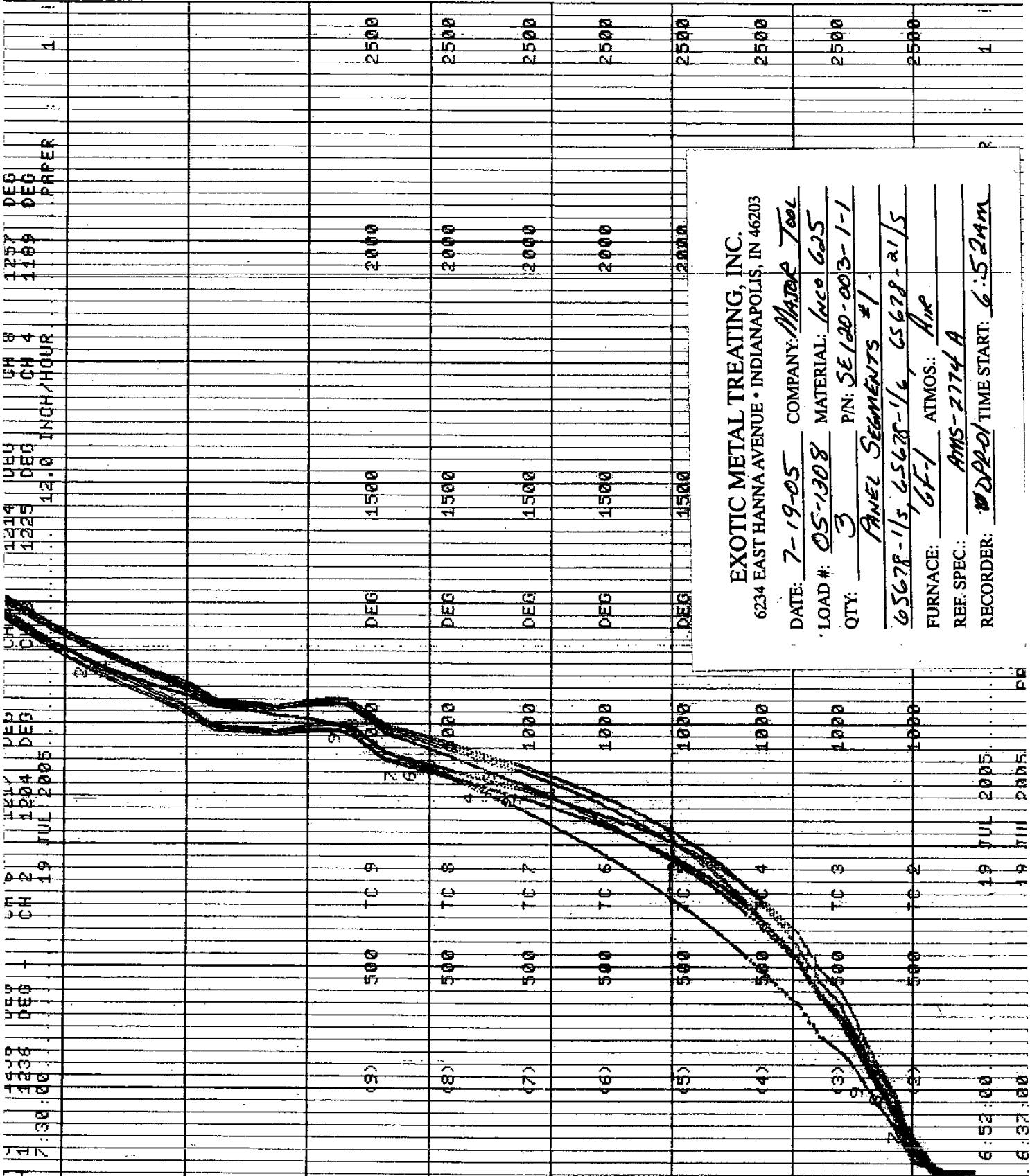
on 7-19-05 [Signature]
Notary Public Morgan County, State of Indiana

My commission expires 9-30-09

[Signature]
(Name)

QA
(Title)

4275 KA



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

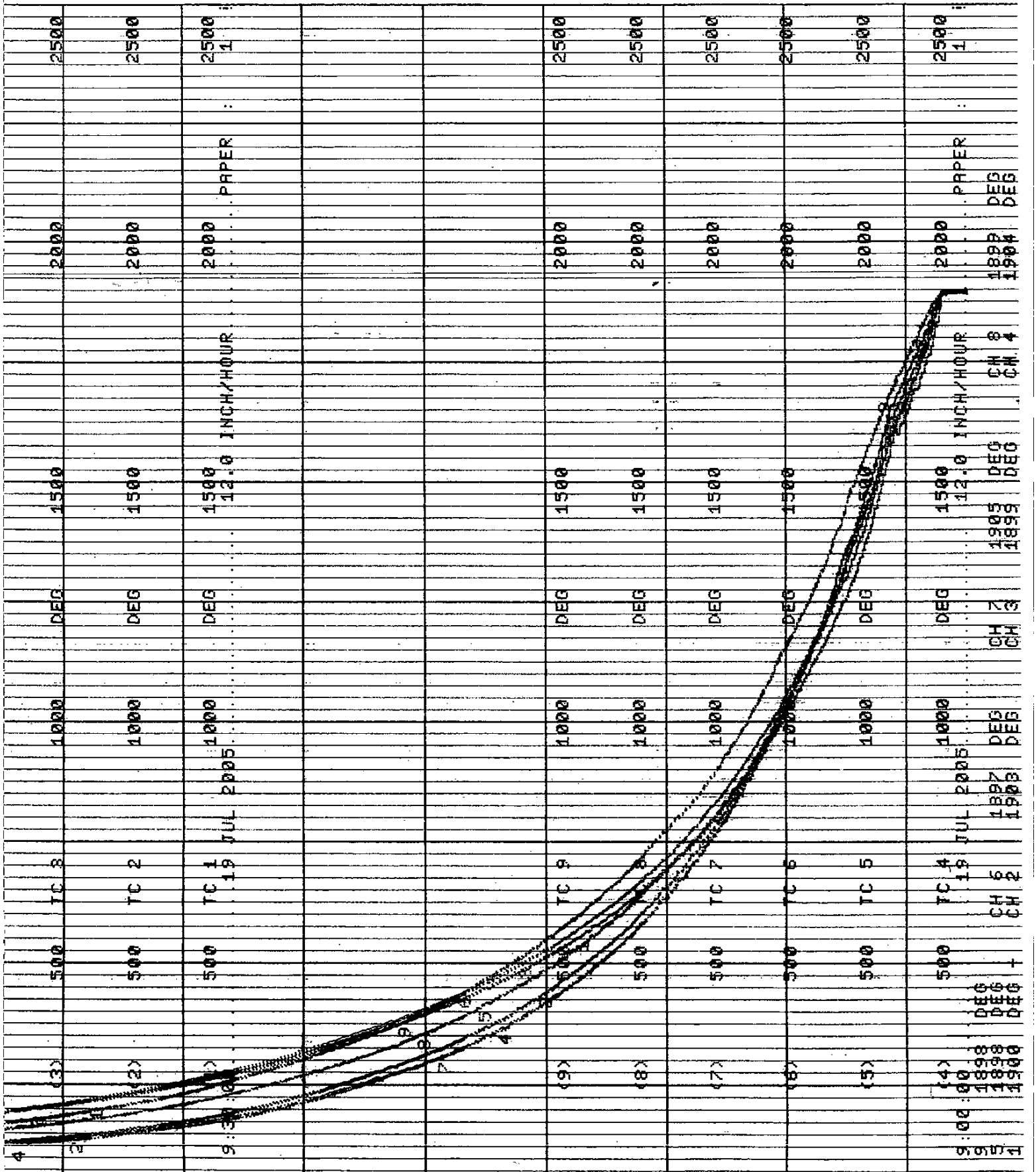
DATE: 7-19-05 COMPANY: MATER TOOL
 LOAD #: 05-1308 MATERIAL: 1600 625
 QTY: 3 P/N: SE120-003-1-1
PANEL SEGMENTS #1
65678-1/5, 65678-1/6, 65678-2/15
 FURNACE: 6F-1 ATMOS: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: WDP/01 TIME START: 6:52AM

6:52:00 19 JUL 2005
 6:37:00 19 JUL 2005

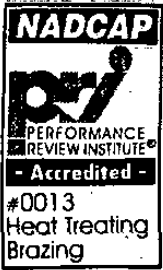
4275 Ka

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1	1887	DEC	CH 2	1888	DEC	CH 3	1885	DEC	CH 4	1895	DEC
8:14	19	TC 1	JUL 2005	TABULAR PRINTOUT							
(1)	500	TC 1	1000	DEG						2000	2500
5	1816	DEC	CH 6	1805	DEC	CH 7	1808	DEC	CH 8	1814	DEC
1	1814	DEC	CH 2	1802	DEC	CH 3	1800	DEC	CH 4	1802	DEC
4	1803	DEC	19	JUL 2005	12.0 INCH/HOUR						
8:00	00										
(9)	500	TC 9	1000	DEG						2000	2500
(8)	500	TC 8	1000	DEG						2000	2500
(7)	500	TC 7	1000	DEG						2000	2500
(6)	500	TC 6	1000	DEG						2000	2500
(5)	500	TC 5	1000	DEG						2000	2500
(4)	500	TC 4	1000	DEG						2000	2500
(3)	500	TC 3	1000	DEG						2000	2500
(2)	500	TC 2	1000	DEG						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
(9)	500	TC 9	1000	DEG	1500	2000	2500
(8)	500	TC 8	1000	DEG	1500	2000	2500
(7)	500	TC 7	1000	DEG	1500	2000	2500
8:30:00		19 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



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

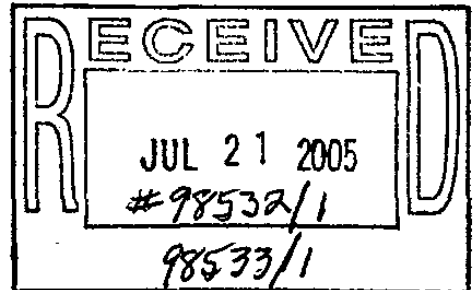
JOB #65678-22/4, 65678-2/5, ✓

65678-22/5, ✓ 65678-2/6 ✓ SEQ #30

MATERIAL: INCO 625

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

JUL 25 2005



RKL

Sworn and subscribed to before me...

on 7-21-05

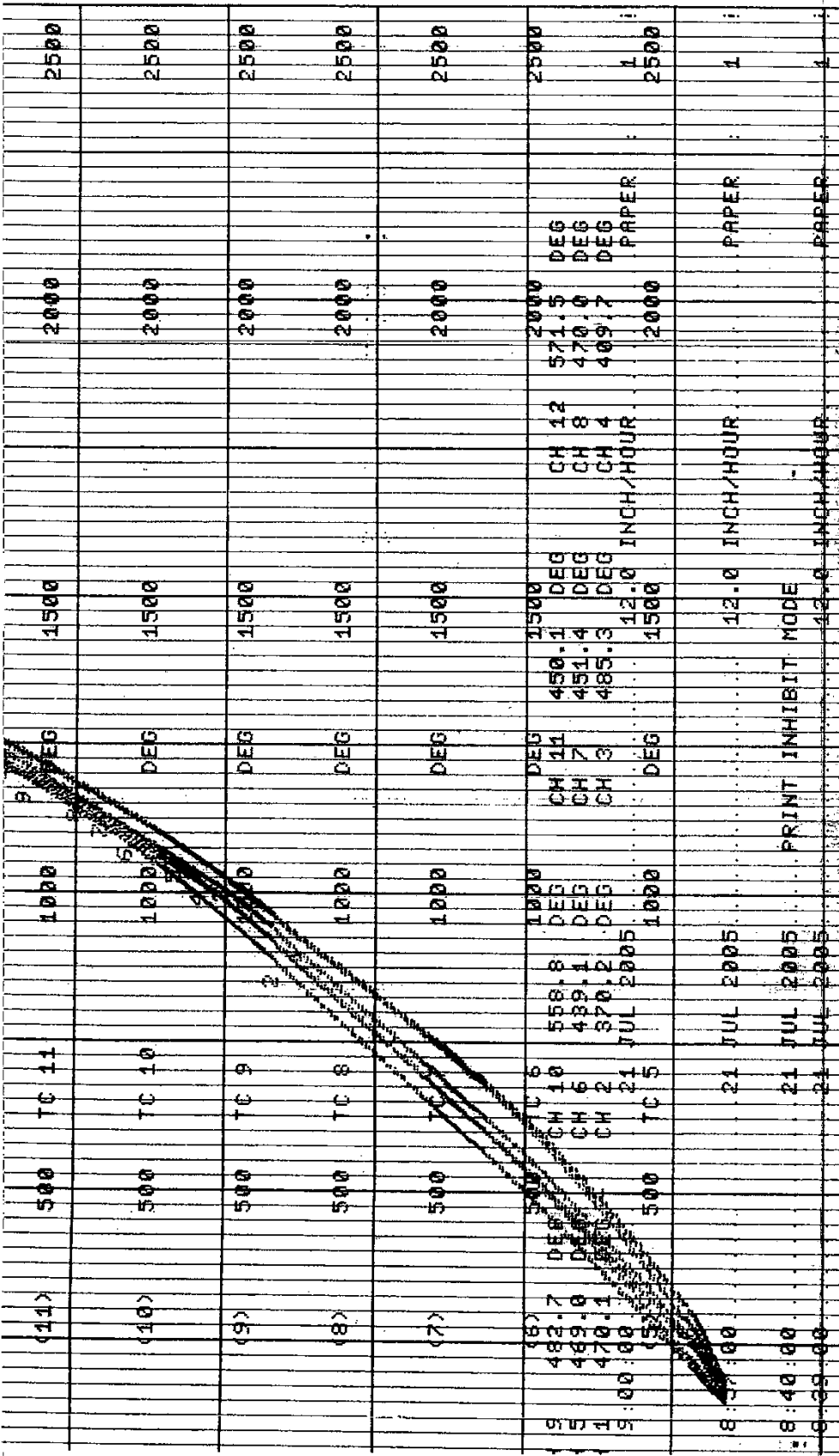
Notary Public Morgan County, State of Indiana

My commission expires 09-09-09

(Name)

(Title)

4275 Ka



Revenir #i-98530/1, 98533/1, 98534/1, 98535/1
 EXOTIC METAL TREATING, INC. 9-M.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203 *R*

DATE: 7-21-05 COMPANY: MAJOR TOOL
 LOAD #: 05-1328 MATERIAL: LHC 625
 QTY: 4 P/N: SE 120-003-1-2
 PANELS #2

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

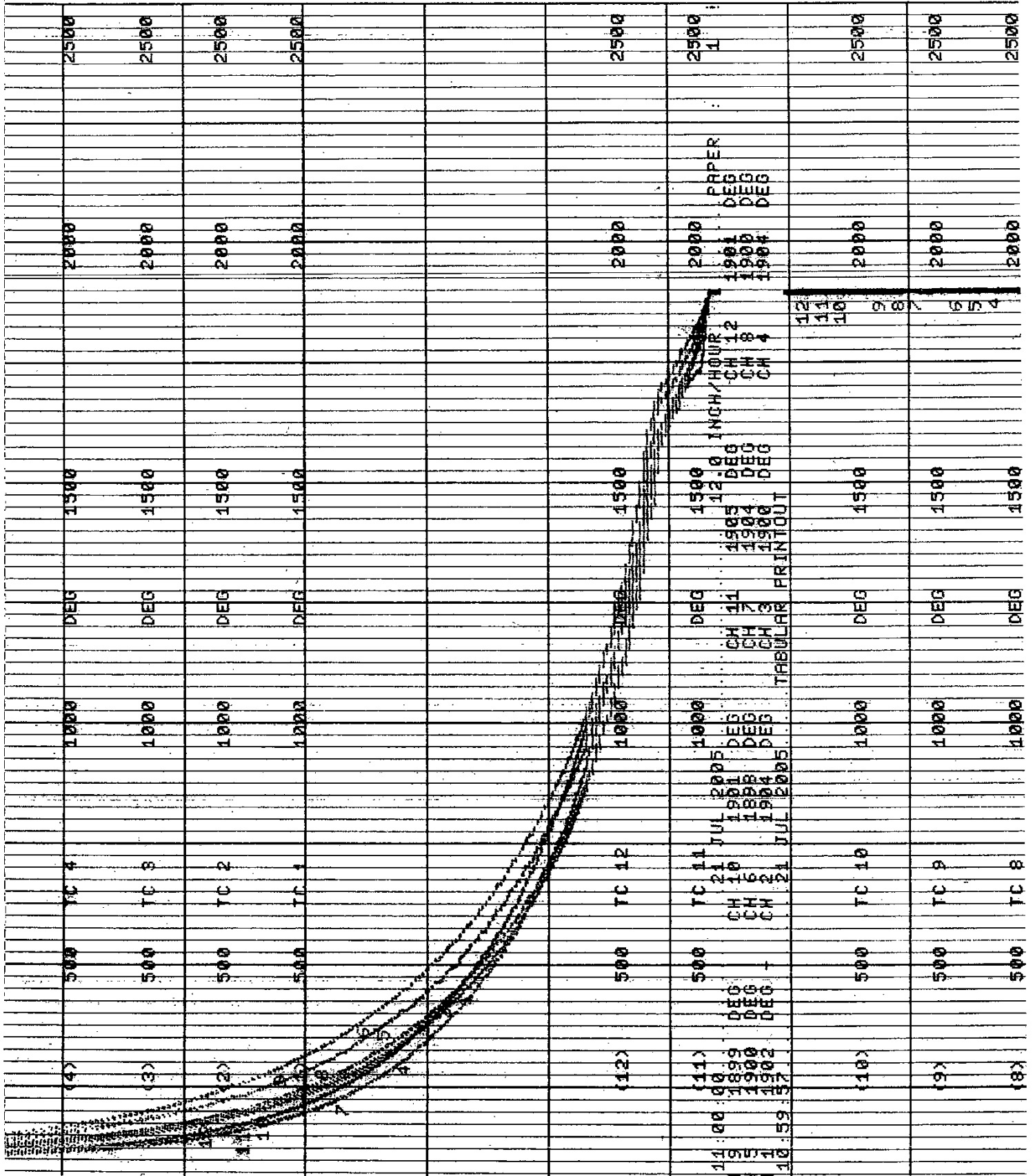
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9:10:00	TC 6	1000	1500	2000	2500	1
9:15:00	TC 5	1000	1500	2000	2500	1
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9:30:00	TC 2	1000	1500	2000	2500	1
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(2)	500	TC 2	1000	DEC	1500	2000	2500
(1)	500	TC 1	1000	DEC	1500	2000	2500
(12)	500	TC 12	1000	DEC	1500	2000	2500
1891	DEC	CH 10	1895	DEC	1897	1897	DEC
1892	DEC	CH 6	1899	DEC	1899	1899	DEC
1896	DEC	CH 2	1897	DEC	1893	1898	DEC
1897	DEC	CH 21	JUL 2005	TRBULAR PRINTOUT			
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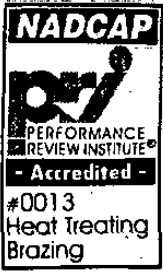
12
11
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1

15.0 INCH/HOUR
PAPER

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1



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

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HEAT # 05-1328

DATE SHIPPED 7-21-05

QUANTITY

DESCRIPTION

4 PCS

#SE120-003-1-2

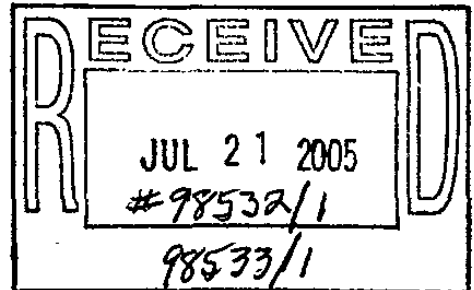
JOB #65678-22/4, 65678-2/5,

65678-22/5, 65678-2/6 ✓ SEQ #30

MATERIAL: INCO 625

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

JUL 25 2005



RKL

Sworn and subscribed to before me...

on 7-21-05

Notary Public Morgan County, State of Indiana

My commission expires 09-09-09

(Name)

(Title)

4275 Ka

(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			
(7)	TC 7	500	1000	1500	2000	2500			
(6)	TC 6	500	1000	1500	2000	2500			
9:57:00	TC 6	500	1000	1500	2000	2500	CH 11	450.1	DEG
9:58:00	TC 6	500	1000	1500	2000	2500	CH 12	571.5	DEG
9:59:00	TC 6	500	1000	1500	2000	2500	CH 8	470.0	DEG
10:00:00	TC 6	500	1000	1500	2000	2500	CH 4	409.7	DEG
10:01:00	TC 6	500	1000	1500	2000	2500	INCH/HOUR	12.0	PAPER
10:02:00	TC 6	500	1000	1500	2000	2500	DEG	1500	PAPER
8:37:00	TC 5	500	1000	1500	2000	2500	INCH/HOUR	12.0	PAPER
8:40:00	TC 5	500	1000	1500	2000	2500	PRINT INHIBIT MODE		
8:43:00	TC 5	500	1000	1500	2000	2500	INCH/HOUR	12.0	PAPER

Reel # 4-98538/1, 98533/1, 98534/1, 98535/1
 EXOTIC METAL TREATING, INC. 9-92
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203 *Reel*

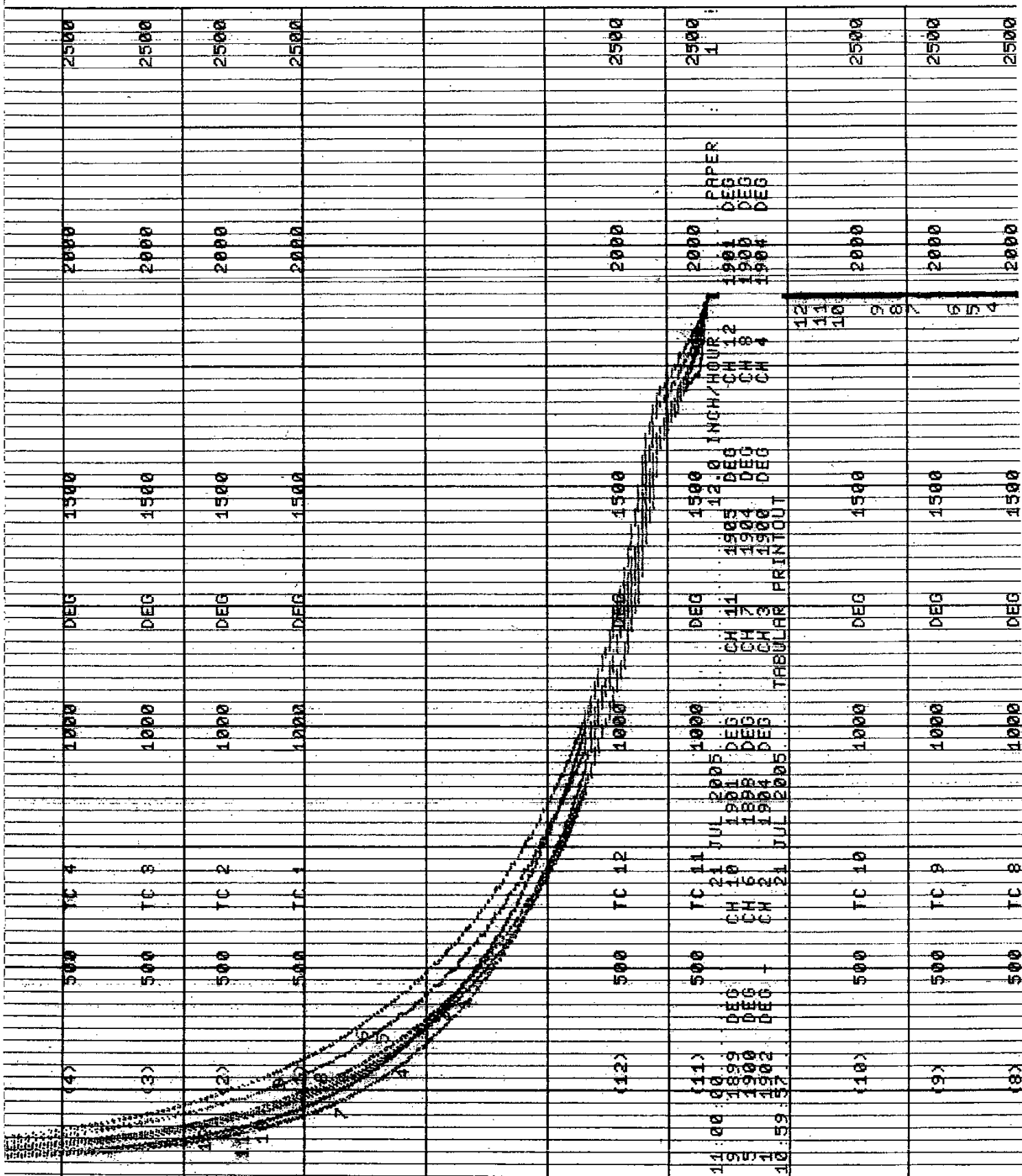
DATE: 7-21-05 COMPANY: Major Tool
 LOAD #: 05-1328 MATERIAL: Inco 625
 QTY: 4 P/N: SE 120-003-1-2
PANELS #2

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

4275 Ka

1859	DEG	500	TC 8	1855	DEG	1000	CH 11	1864	DEG	1500	CH 12	1854	DEG	2000	DEG	2500
1858	DEG	500	CH 10	1856	DEG	1000	CH 7	1863	DEG	1500	CH 8	1853	DEG	2000	DEG	2500
1857	DEG	500	CH 6	1857	DEG	1000	CH 3	1857	DEG	1500	CH 4	1853	DEG	2000	DEG	2500
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10:00:00			21 JUL 2005							12.0 INCH/HOUR						
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(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
1463	DEG	500	CH 10	1528	DEG	1000	CH 11	1491	DEG	1500	CH 12	1527	DEG	2000	DEG	2500
1459	DEG	500	CH 6	1446	DEG	1000	CH 7	1485	DEG	1500	CH 8	1451	DEG	2000	DEG	2500
1455	DEG	500	CH 2	1458	DEG	1000	CH 3	1495	DEG	1500	CH 4	1467	DEG	2000	DEG	2500
9:30:00			21 JUL 2005							12.0 INCH/HOUR						1

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(15)	500	TC 5	1000	DEG	1500	2000	2500
(14)	500	TC 4	1000	DEG	1500	2000	2500
(13)	500	TC 3	1000	DEG	1500	2000	2500
(12)	500	TC 2	1000	DEG	1500	2000	2500
(11)	500	TC 1	1000	DEG	1500	2000	2500
(12)	500	TC 12	1000	DEG	1500	2000	2500
1891	DEG	CH 10	1895	DEG	1897	1894	DEG
1892	DEG	CH 6	1898	DEG	1899	1892	DEG
1893	DEG	CH 2	1897	DEG	1893	1898	DEG
1894	DEG	CH 21	JUL 2005	DEG	TRABULAR PRINTOUT	1898	DEG
(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 # 50233

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-04575

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 # 05-1494

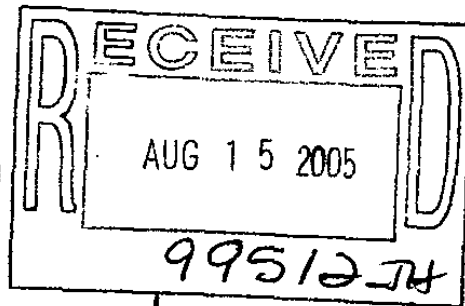
DATE SHIPPED 8-15-05

QUANTITY	DESCRIPTION
2 PCS	#SE120-003-1-3 JOB #65678-23/5, 65678-3/5 SEQ #30

MATERIAL: INCO 625

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

AUG 16 2005



Sworn and subscribed to before me...

8-15-05

Notary Public Morgan County State of Indiana

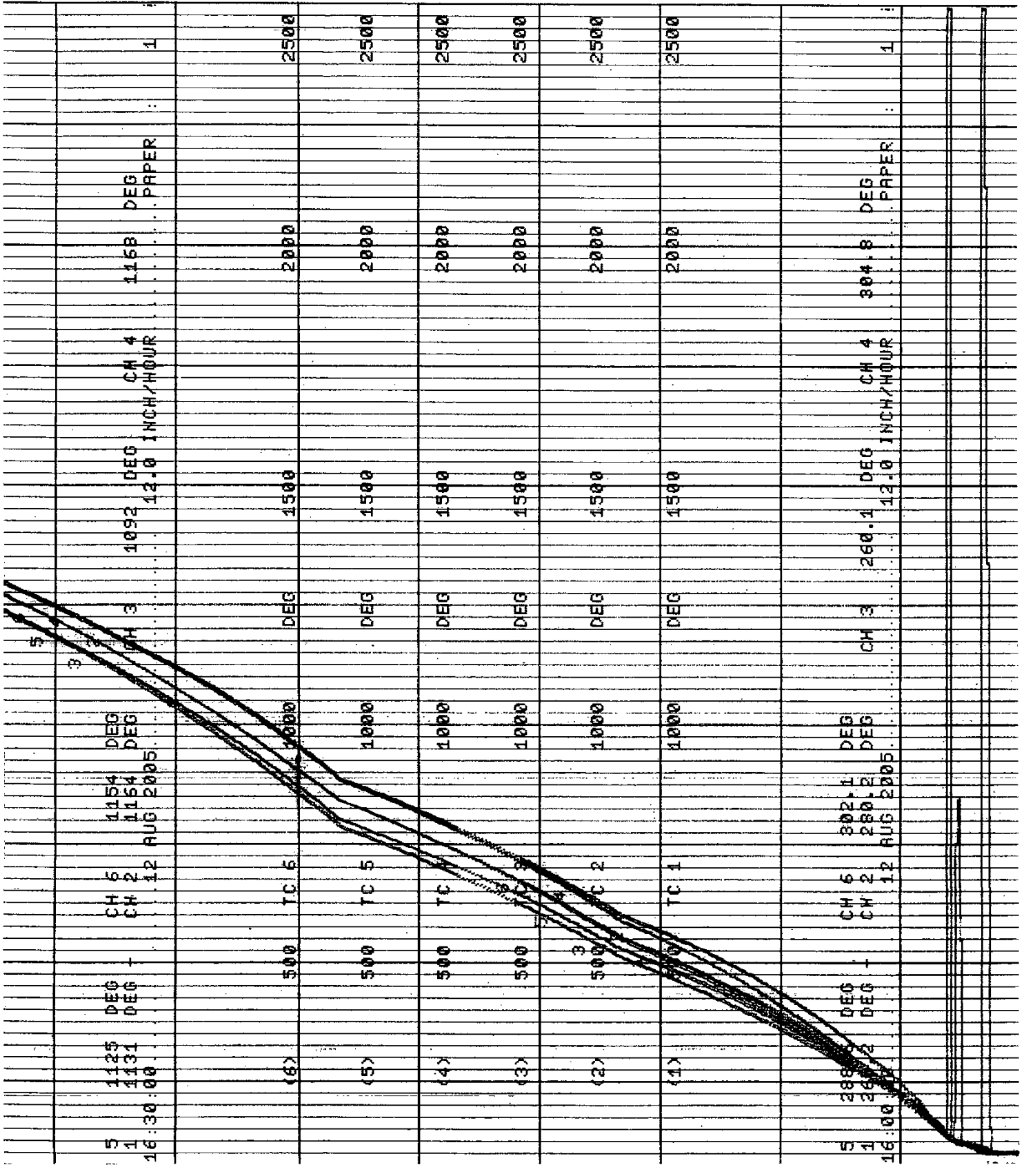
My commission expires 9-30-09

[Signature]

(Name)
[Signature]

(Title)

4275 KA



5
1
16:30:00

CH 6
CH 2
12 AUG 2005

1154 DEG
1154 DEG
1092 DEG 12.0 INCH/HOUR CM 4

1168 DEG PAPER

500
1000
2500

TC 6
TC 5
TC 4
TC 3
TC 2
TC 1

5
1
16:00:00

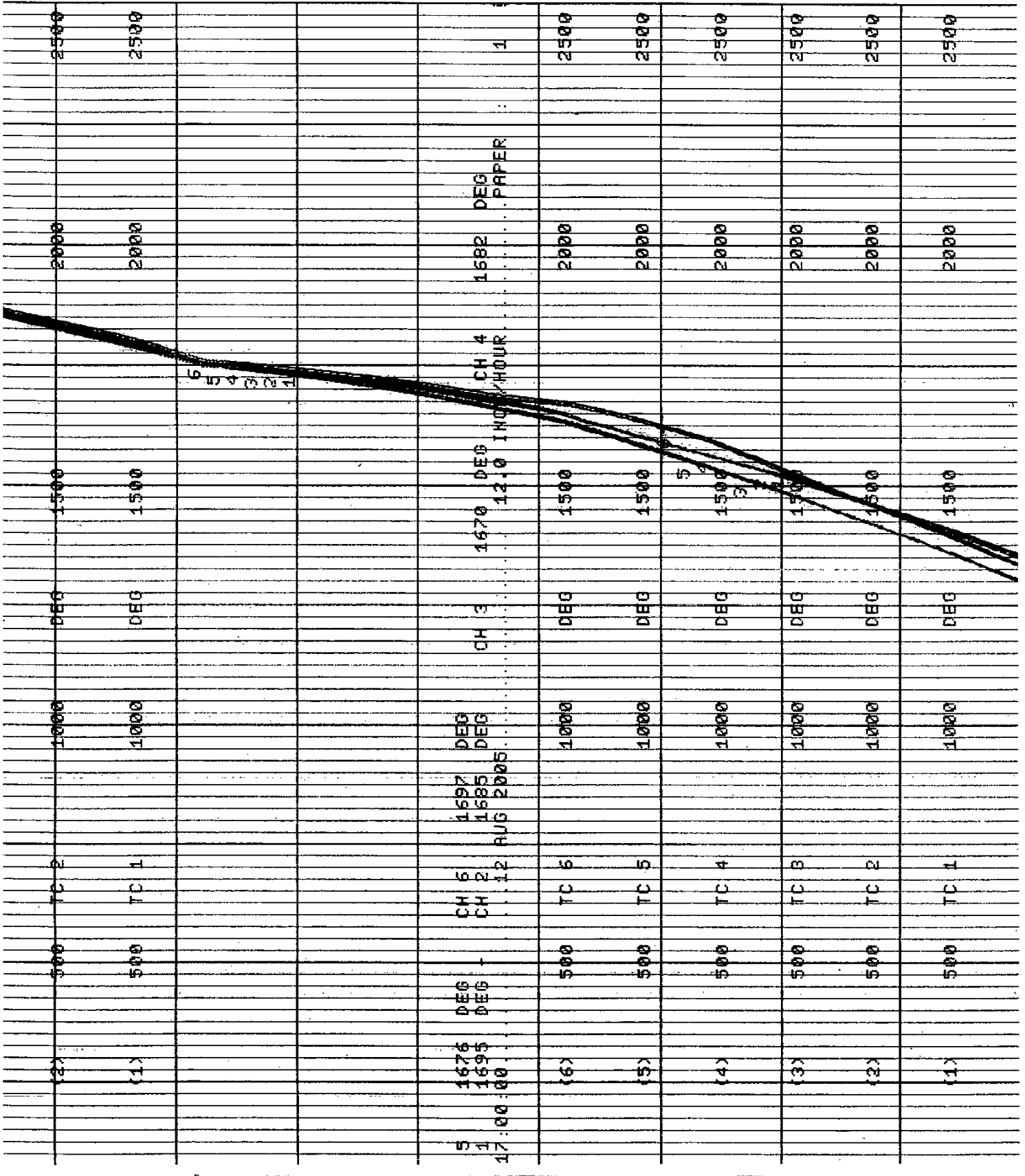
CH 6
CH 2
12 AUG 2005

302.1 DEG
280.2 DEG

304.8 DEG PAPER

500
1000
2500

TC 6
TC 5
TC 4
TC 3
TC 2
TC 1



5 1676 DEG
 1 1695 DEG
 17:00:00

CH 6 1697 DEG
 CH 2 1685 DEG
 12 AUG 2005

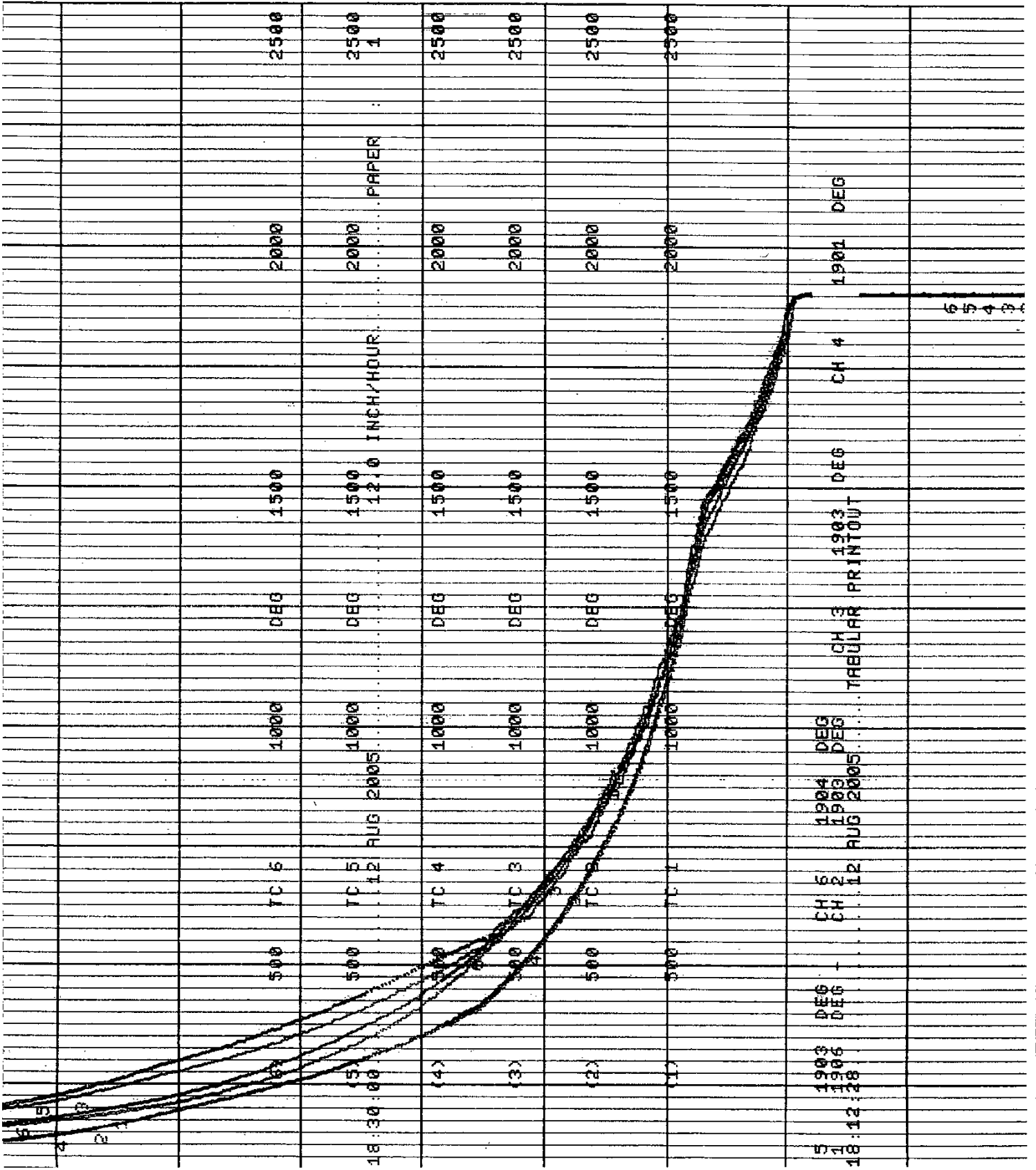
CH 3 1670 DEG
 12.0 INCH/HOUR

CH 4 1582 DEG
 PAPER

1

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18:00:00		12 AUG 2005			12.0 INCH/HOUR		PAPER	1
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(4)	500	TC 4	1000	DEG	1500		2000	2500
(3)	500	TC 3	1000	DEG	1500		2000	3500
(2)	500	TC 2	1000	DEG	1500	654	2000	2500
(1)	500	TC 1	1000	DEG	1500	921	2000	2500
17:30:00		12 AUG 2005			12.0 INCH/HOUR		PAPER	1
(5)	500	TC 5	1000	DEG	1500		2000	2500
17:26:36		1896 DEG	1896 DEG	CH 3	1892 DEG		1893 DEG	
		1898 DEG	1898 DEG	CH 2	1892 DEG		1893 DEG	
		1898 DEG	1898 DEG	CH 1	1892 DEG		1893 DEG	
(4)	500	TC 4	1000	DEG	1500		2000	2500

4275 Ka





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50266

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-04576

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

HEAT # 05-1529

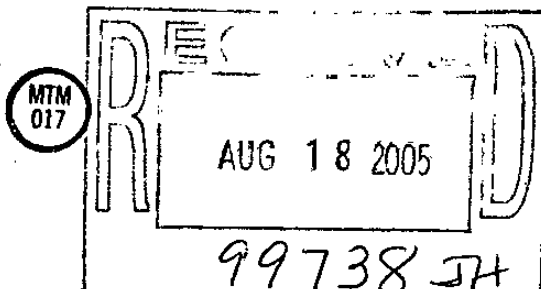
DATE SHIPPED 8-18-05

QUANTITY	DESCRIPTION
2 PCS	#SE120-003-1-4 JOB #65678-24/5, 65678-4/5 SEQ #30

MATERIAL: INCO 625

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

AUG 25 2005



Sworn and subscribed to before me...
 on 8-18-05
 Notary Public Morgan County - State of Indiana
 My commission expires 9-30-09

[Signature] Lines 1 & 2
 (Name)
SA
 (Title)



Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50265

Vendor Code # 107576

P.O. # P05-04579

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

HEAT # 05-1533

DATE SHIPPED 8-18-05

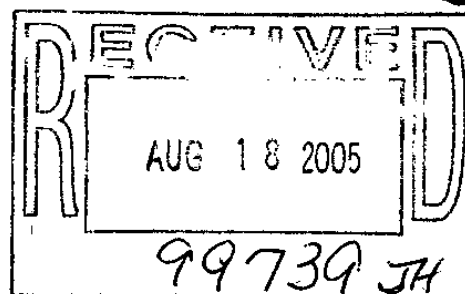
QUANTITY DESCRIPTION

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

MATERIAL: INCO 625

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

AUG 25 2005



Sworn and subscribed to before me...

on 8-18-05

Notary Public Morgan County, State of Indiana

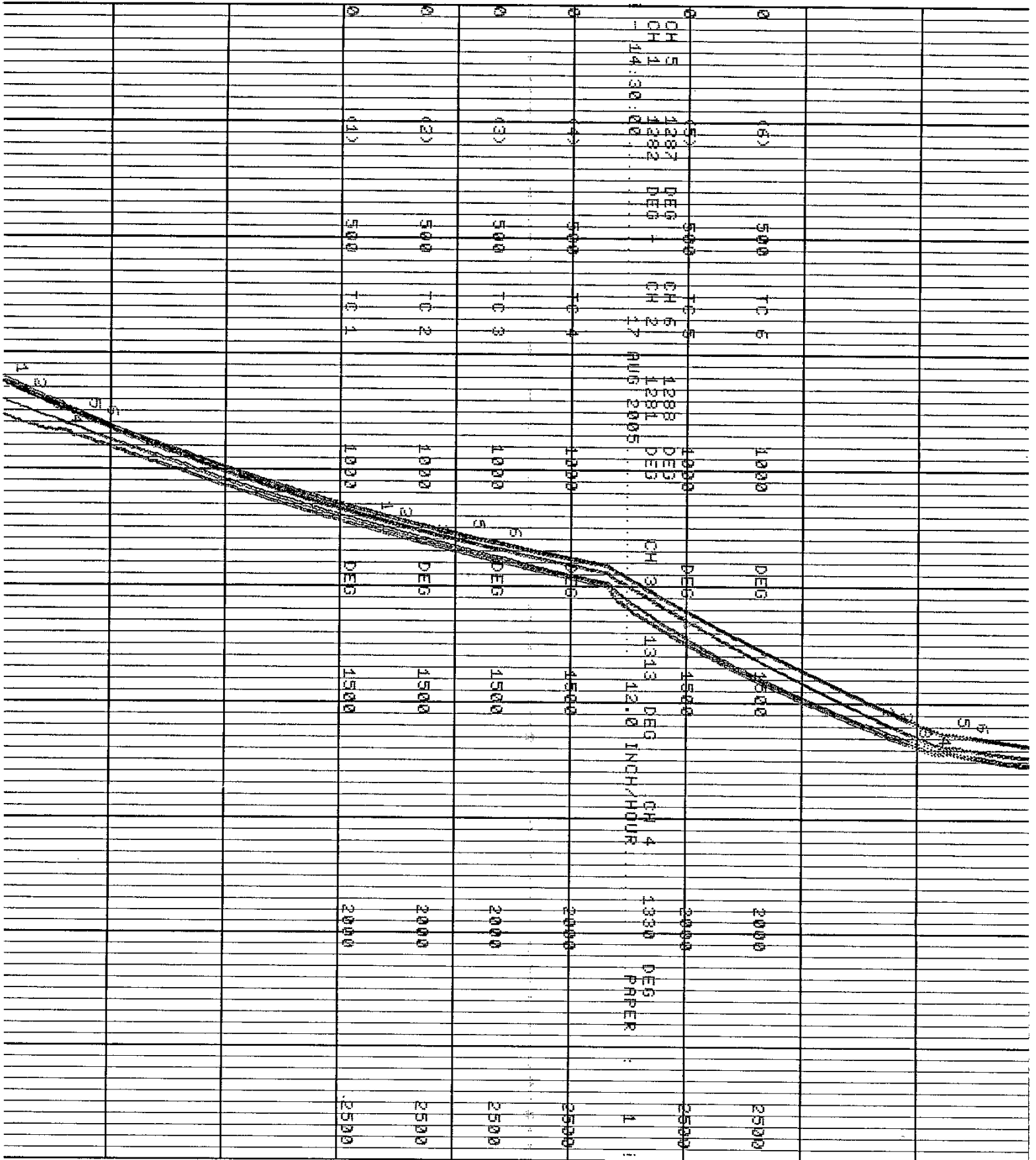
My commission expires: 9-30-09

Keith Shuck

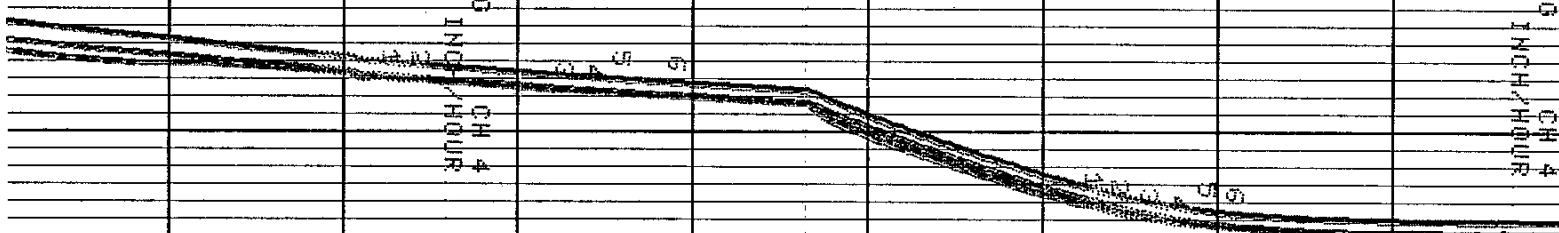
(Name)

QA

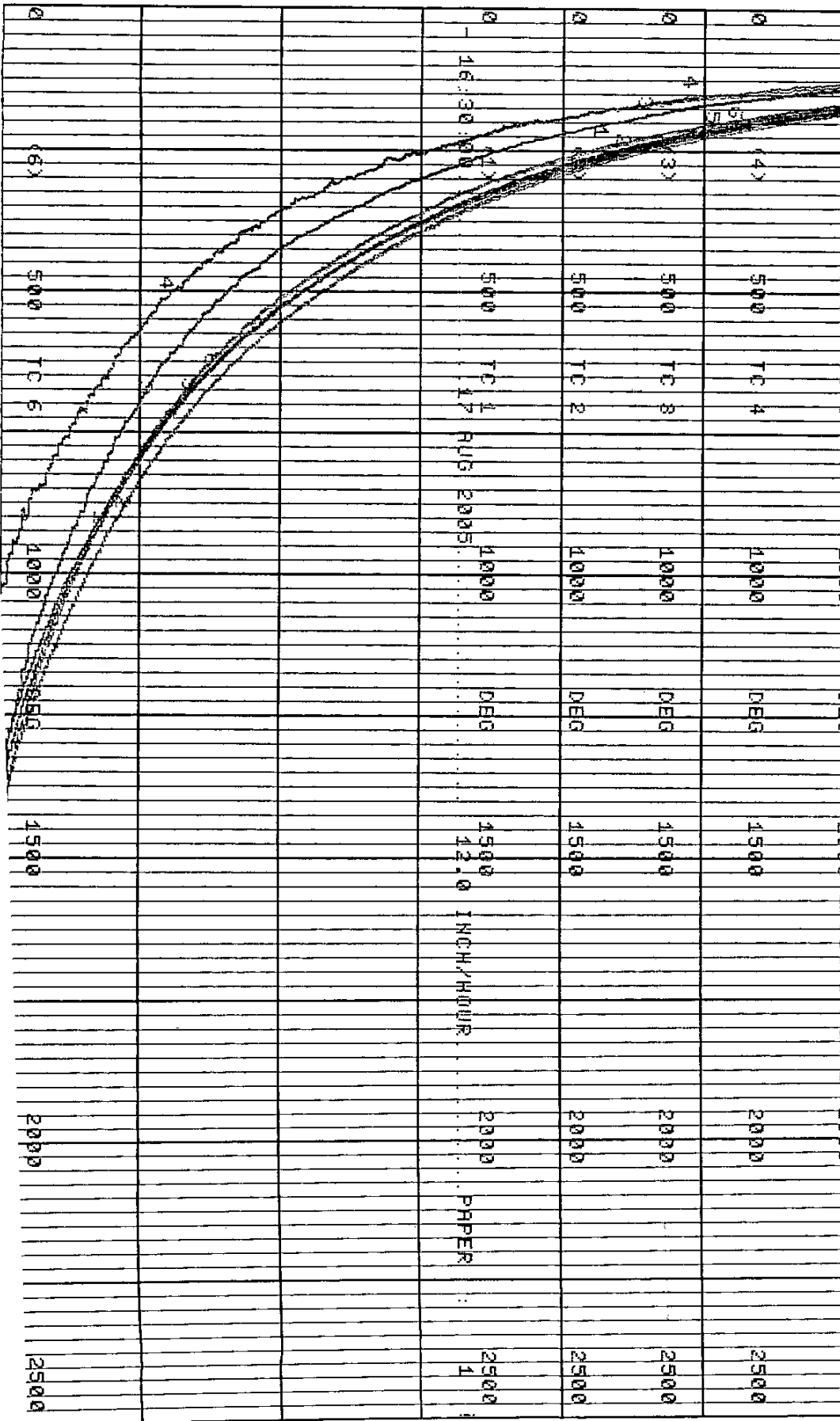
(Title)

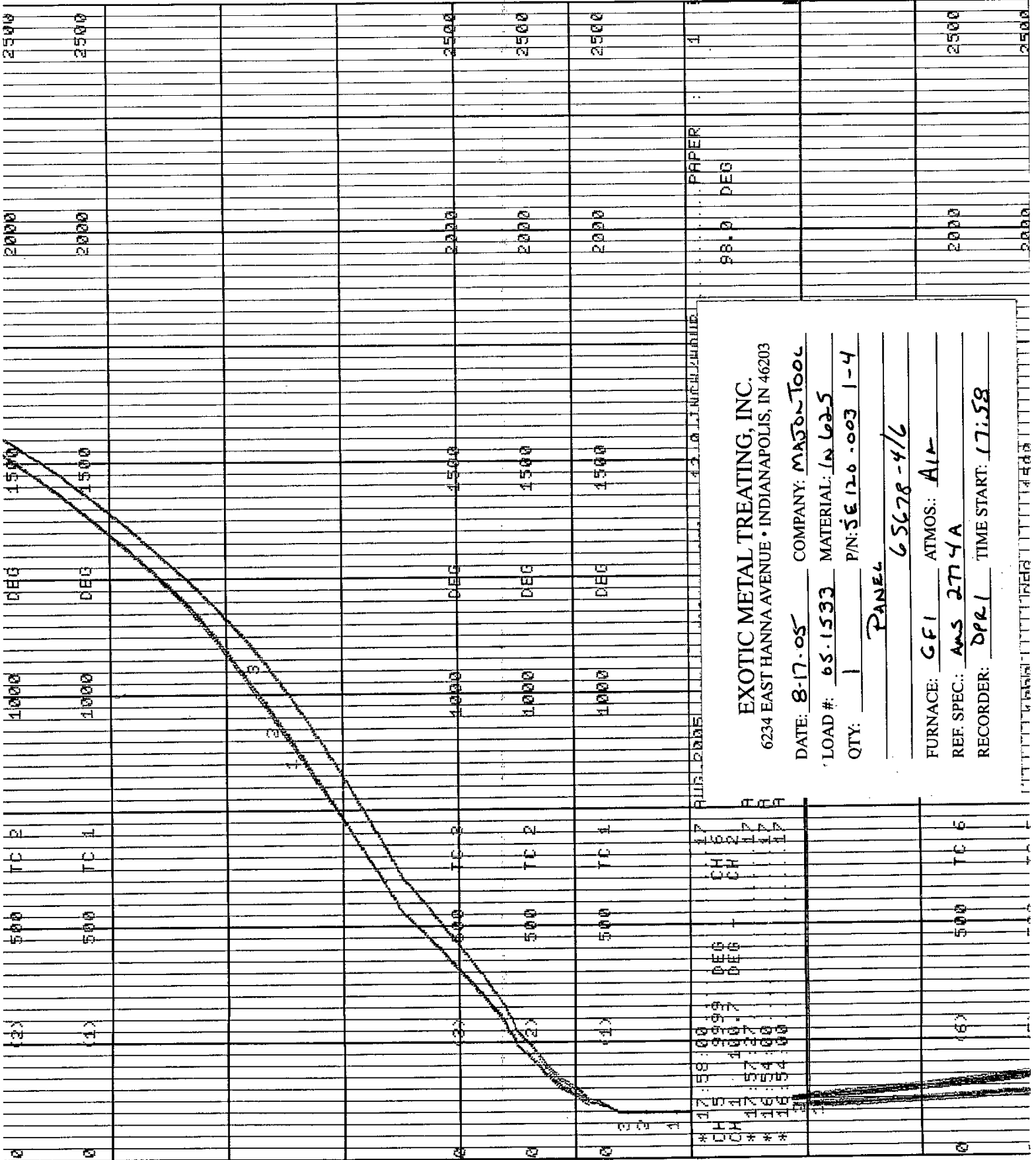


CH 1	1902	DEG	CH 2	1901	DEG	CH 3	1503	DEG	CH 4	1901	DEG	1
15:30:00							12.0	IND/HOUR				
(2)	500	TC 2	1000	DEG	1500	2000						2500
(1)	500	TC 1	1000	DEG	1500	2000						2500
(6)	500	TC 5	1000	DEG	1500	2000						2500
(5)	500	TC 5	1000	DEG	1500	2000						2500
(4)	500	TC 4	1000	DEG	1500	2000						2500
CH 1 15:00:00	1671 1689	DEG DEG	CH 2 27	1574 1587	DEG DEG	CH 3 12.0	1690 12.0	IND/HOUR	CH 4 1590	DEG PAPER	1	
(3)	500	TC 8	1000	DEG	1500	2000						2500
(2)	500	TC 2	1000	DEG	1500	2000						2500
(1)	500	TC 1	1000	DEG	1500	2000						2500



0	(15)	500	TC 5	1000	DEC	1500	2000	2500
0	CH 5 1888 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500	DEC	1500	2000	2500			
0	(14)	500	TC 4	1000	DEC	1500	2000	2500
0	(13)	500	TC 3	1000	DEC	1500	2000	2500
0	(12)	500	TC 2	1000	DEC	1500	2000	2500
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0	(6)	500	TC 1	1000	DEC	1500	2000	2500
0	(5)	500	TC 5	1000	DEC	1500	2000	2500
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0	(3)	500	TC 3	1000	DEC	1500	2000	2500





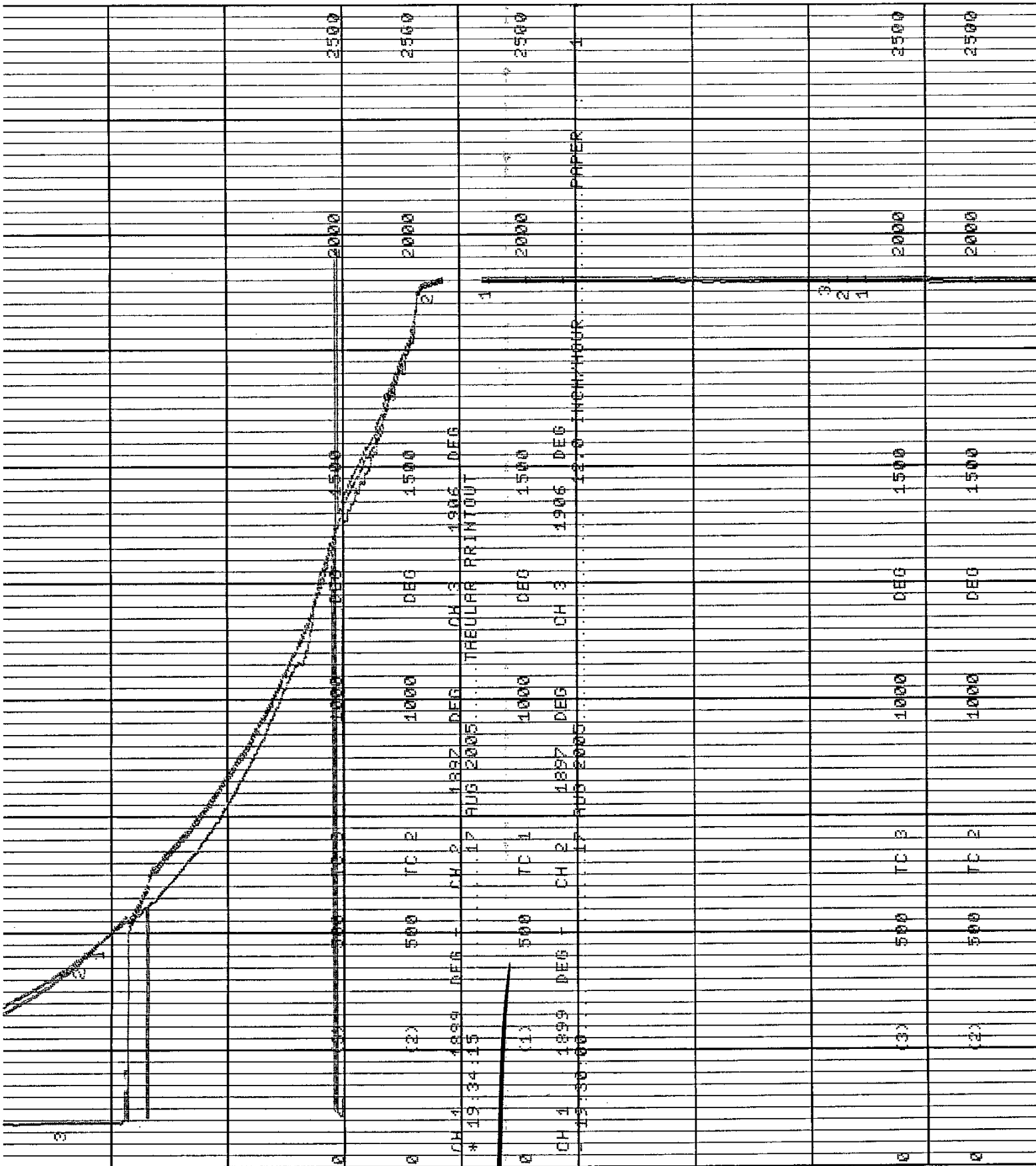
EXOTIC METAL TREATING, INC.

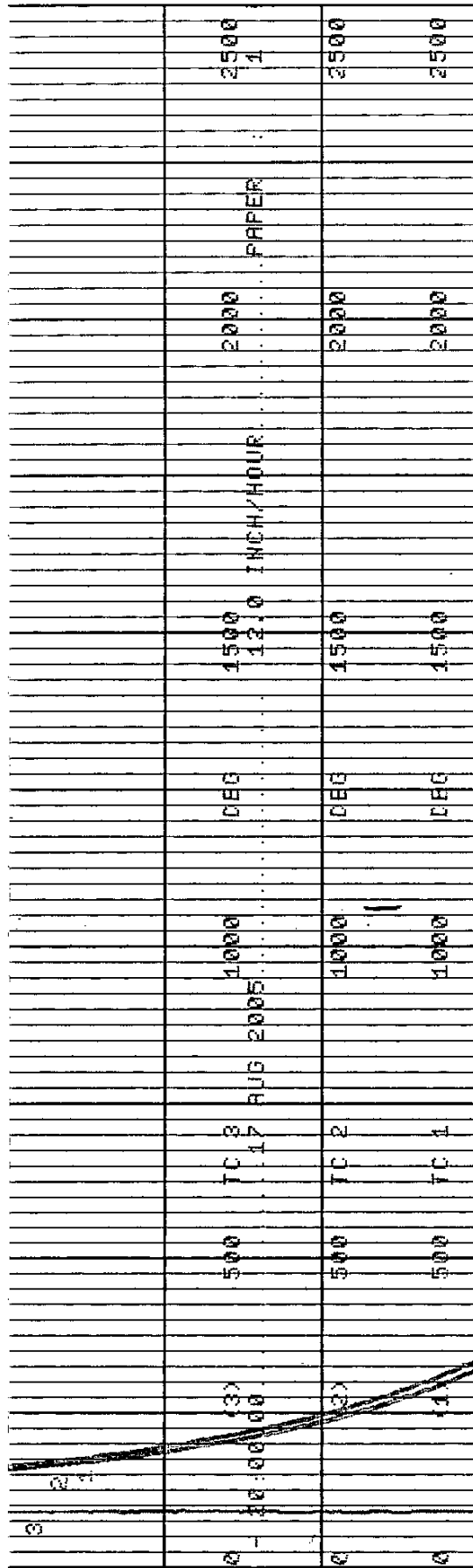
6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203

DATE: 8-17-05 COMPANY: MASON TOOL
 LOAD #: 65-1533 MATERIAL: IN 6225
 QTY: 1 P/N: SE 120-003 1-4
PANEL 65678-4/6
 FURNACE: GFI ATMOS: AIR
 REF. SPEC.: AMS 2704A
 RECORDER: DPL TIME START: 17:58

PAPER : 1
 98.0 DEG

4275 Ka







Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50467

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

P.O. # P05-05513

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 # 05-1788

DATE SHIPPED 9-26-05

QUANTITY

DESCRIPTION

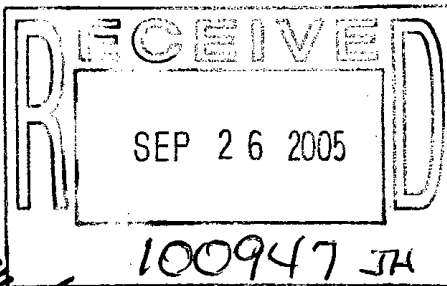
1 PC SE120-003-1-5

JOB # 65678-5/5 SEQ #70

MATERIAL: INCO 625

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

SEP 26 2005



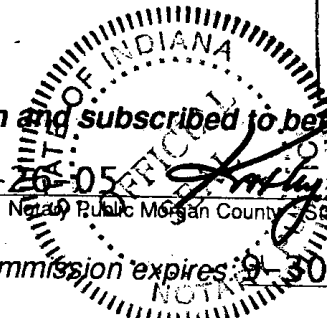
Sworn and subscribed to before me... Line 1

on 9-26-05 at Indianapolis Notary Public Morgan County State of Indiana

Kurt Shuber
(Name)

My commission expires 9-30-05

QA
(Title)



CH02 00147	1423 24SEP05	CH03 1457	CH04 1458	F	
CH02 00145	1428 24SEP05	CH03 1420	CH04 1419	F	
CH02 00143	1390 24SEP05	CH03 1380	CH04 1377	F	
CH02 00141	1351 24SEP05	CH03 1338	CH04 1333	F	4.71 D4
CH02 00137	1265 24SEP05	CH03 1241	CH04 1233	F	
CH02 00135	1214 24SEP05	CH03 1182	CH04 1172	F	
CH02 00133	1157 24SEP05	CH03 1117	CH04 1105	F	
CH02 00131	1095 24SEP05	CH03 1050	CH04 1028	F	
L 00:30 00 24 SEP 05 GROUP A					
CH02 00127	826 24SEP05	CH03 859	CH04 817	F	15.00inch/h
CH02 00125	774 24SEP05	CH03 720	CH04 670	F	
CH02 00123	565 24SEP05	CH03 535	CH04 500	F	
CH02 00121	503 24SEP05	CH03 294	CH04 270	F	
CH02 00118	77 24SEP05	CH03 77	CH04 77	F	
#01					

EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 9-24-05 COMPANY: Major
 LOAD #: 05-1288 MATERIAL: Inco 625
 QTY: 1 P/N: SE120-003-1-5
65678-5/5
 FURNACE: GF-2 ATMOS.: AIR
 REC. SPEC.: AMS-2774-A
 RECORDER: DPR-06 TIME START: 12:21A

CH02	1884	*F	CH03	1887	*F	CH04	1886	*F
CH02	1885	*F	CH03	1888	*F	CH04	1887	*F
01 17	24SEP05							
CH02	1883	*F	CH03	1886	*F	CH04	1885	*F
01 17	24SEP05							
CH02	1880	*F	CH03	1883	*F	CH04	1882	*F
01 15	24SEP05							
CH02	1873	*F	CH03	1876	*F	CH04	1875	*F
01 13	24SEP05							
CH02	1864	*F	CH03	1865	*F	CH04	1865	*F
01 11	24SEP05							
CH02	1809	*F	CH03	1810	*F	CH04	1812	*F
01 07	24SEP05							
CH02	1776	*F	CH03	1776	*F	CH04	1779	*F
01 05	24SEP05							
CH02	1743	*F	CH03	1743	*F	CH04	1746	*F
01 03	24SEP05							
CH02	1710	*F	CH03	1709	*F	CH04	1712	*F
01 01	24SEP05							
- 01 00 00 24 SEP 05 GROUP A								
CH02	1640	*F	CH03	1639	*F	CH04	1641	*F
00 57	24SEP05							
CH02	1605	*F	CH03	1603	*F	CH04	1605	*F
00 55	24SEP05							
CH02	1570	*F	CH03	1567	*F	CH04	1569	*F
00 53	24SEP05							
CH02	1535	*F	CH03	1531	*F	CH04	1533	*F
00 51	24SEP05							

2/TC2

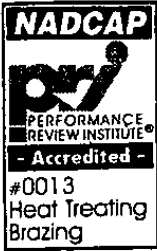
4/TC4

9/TC3

15.00inch/h

2/TC2

#01



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



Sworn and subscribed to before me...

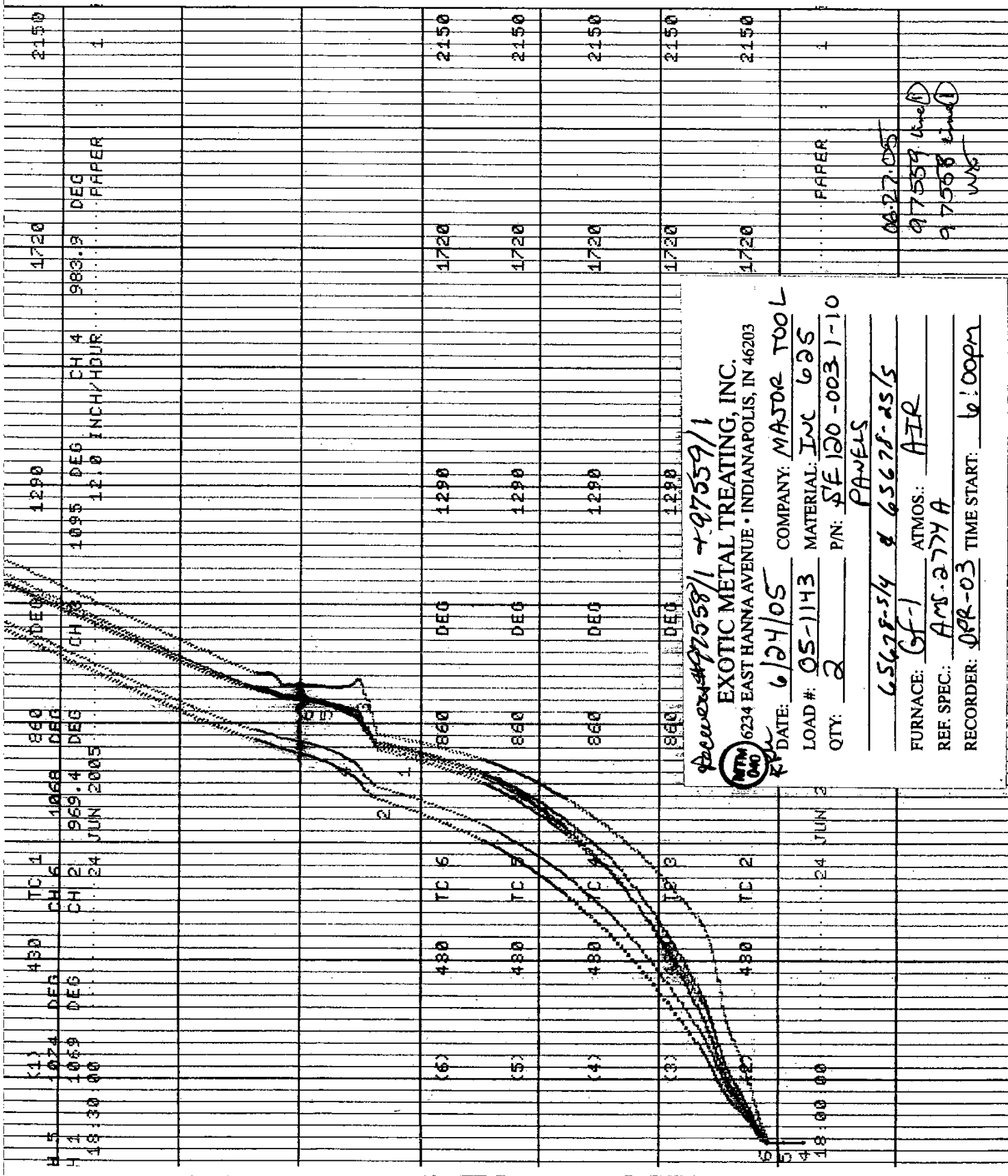
on 6/27/05 [Signature]
Notary Public Morgan County State of Indiana

[Signature]
(Name)

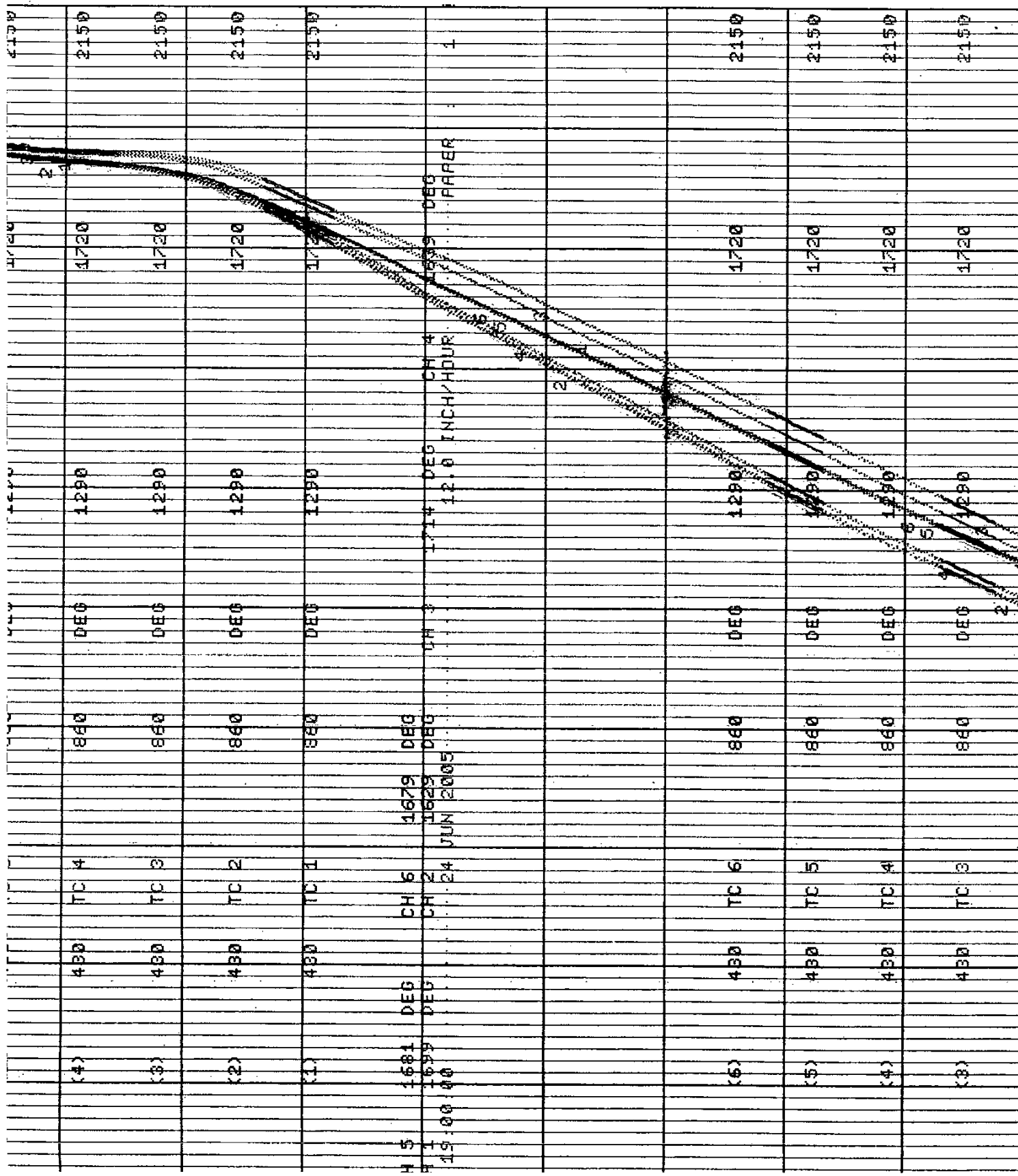
My commission expires 06-30-09

[Signature]
(Title)

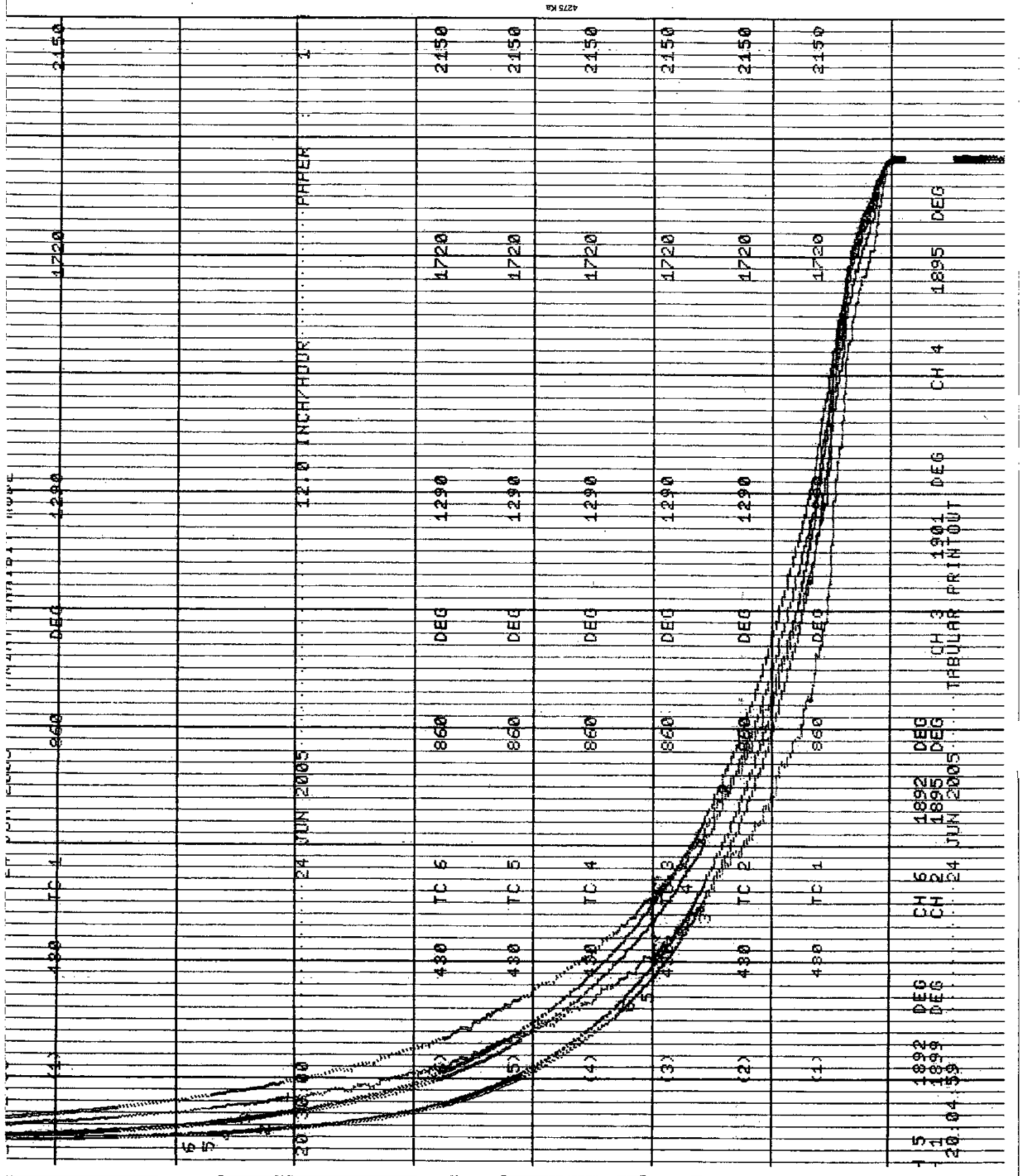
4275 KA



Review #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: JVC 60S
 QTY: 2 P/N: SE 100-0031-10
 65678-54 & 65678-25/5
 FURNACE: Cf-1 ATMOS: AIR
 REF. SPEC: AMS-277Y A
 RECORDER: OFR-03 TIME START: 6:00pm
 PAPER
 97558
 97559
 WXS



19:30:00	1885	DEG	CH 5	1885	DEG	24 JUN 2005	12.0 INCH/HOUR	FAFE	1
(6)	430	TC 6	860	DEG	1290	1720	2150	5 4 3 2 1	
(5)	480	TC 5	860	DEG	1290	1720	2150		
(4)	430	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	6 5 4 3 2 1	
4 5	1885	DEG	CH 5	1885	DEG			5 4 3 2 1	2150





Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50151

Vendor Code # 107576

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

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

HEAT # 05-1396

DATE SHIPPED 7-30-05

QUANTITY

DESCRIPTION

5 PCS

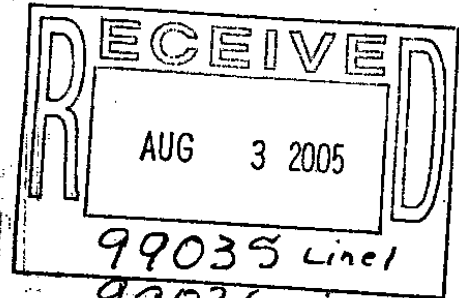
#SE120-003-1-10

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

MATERIAL: INCO 625

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

AUG 04 2005



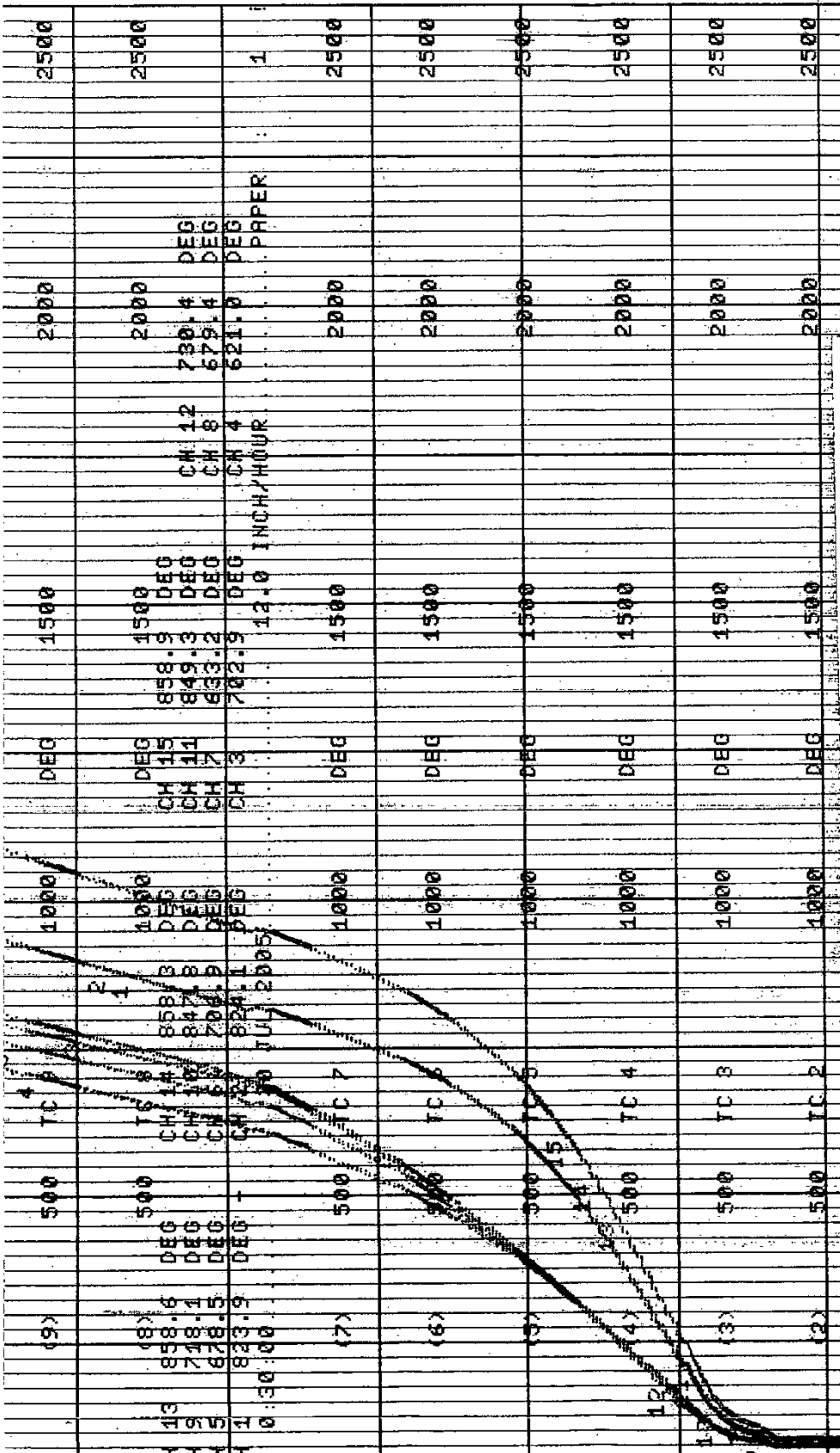
Sworn and subscribed to before me...

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

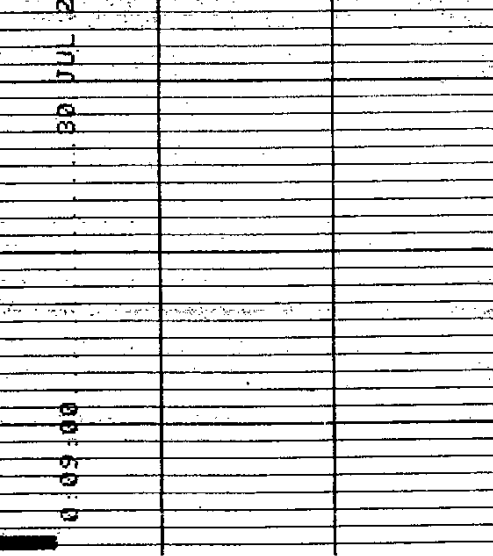
My commission expires 9-30-09

[Signature]
(Name)

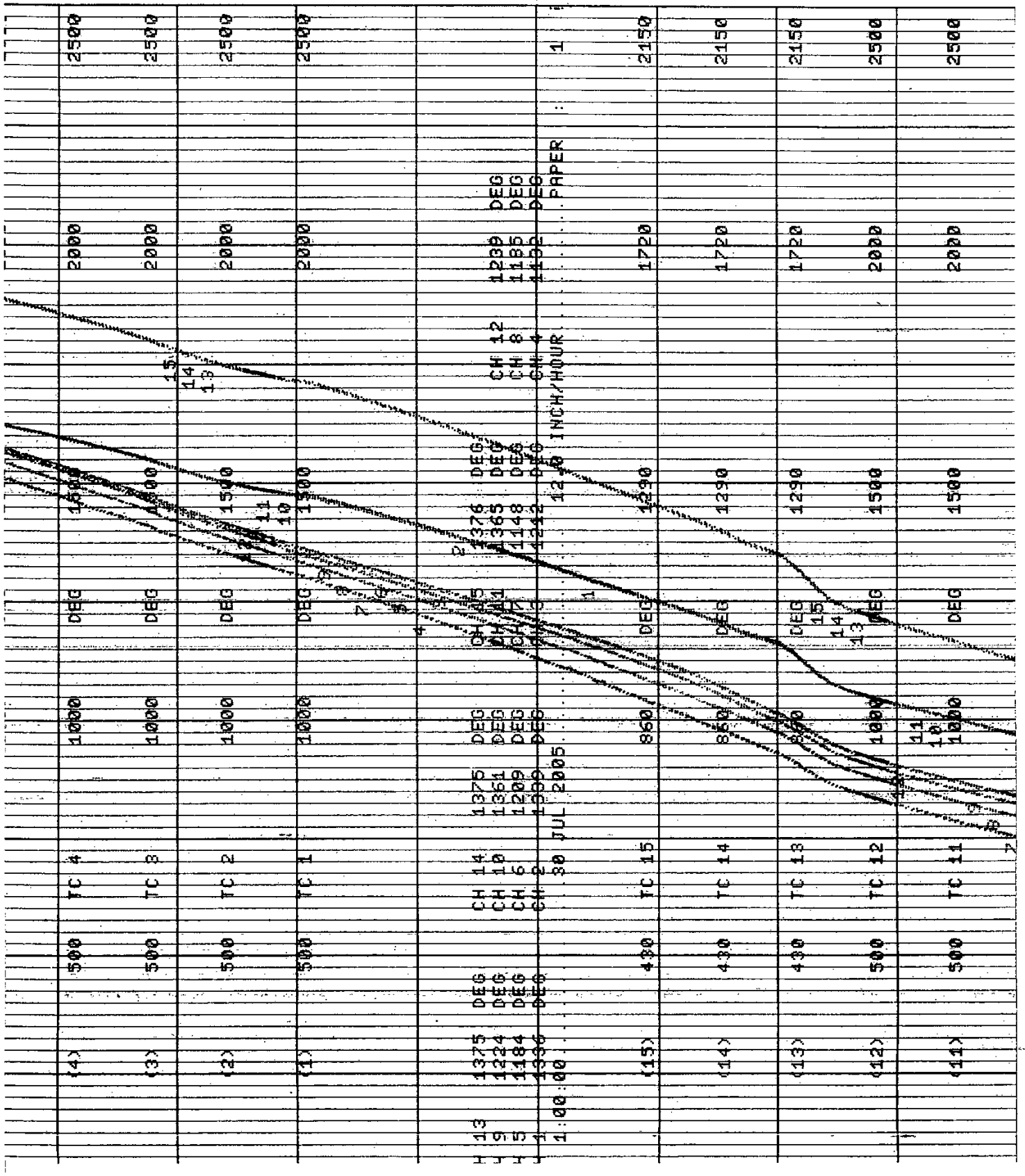
QA
(Title)

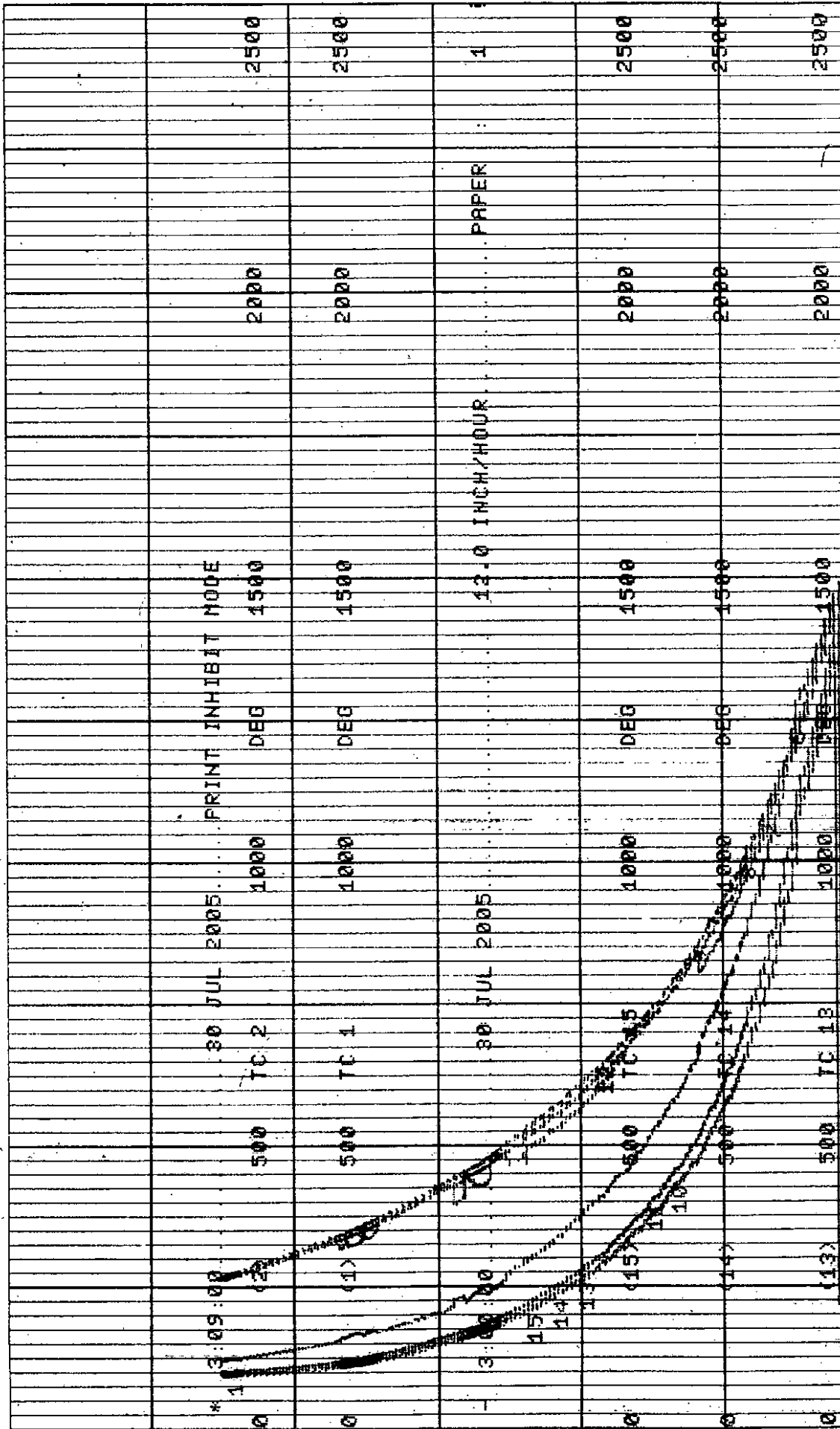


EXOTIC METAL TREATING, INC.
 6234 EAST HANNA AVENUE • INDIANAPOLIS, IN 46203
 DATE: 7/30/05 COMPANY: MAJOR
 LOAD #: 05-1396 MATERIAL: INL 60S
 QTY: 5 P/N: 8E 130-003-1-10
PANEL 65678-6/5, 65678-26/5, 65678-6/6
65678-6/4 65678-26/7
 FURNACE: GF-1 ATMOS.: AIR
 REF. SPEC.: AMS-2774 A
 RECORDER: APR-01 TIME START: 12:07 AM



4275 Ks







Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50160

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

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

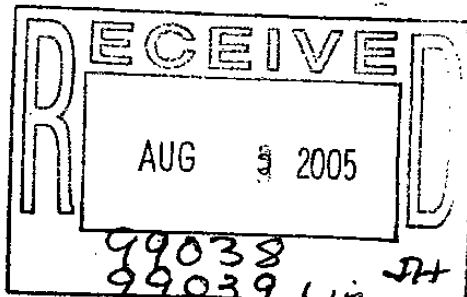
DATE SHIPPED 8-3-05

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

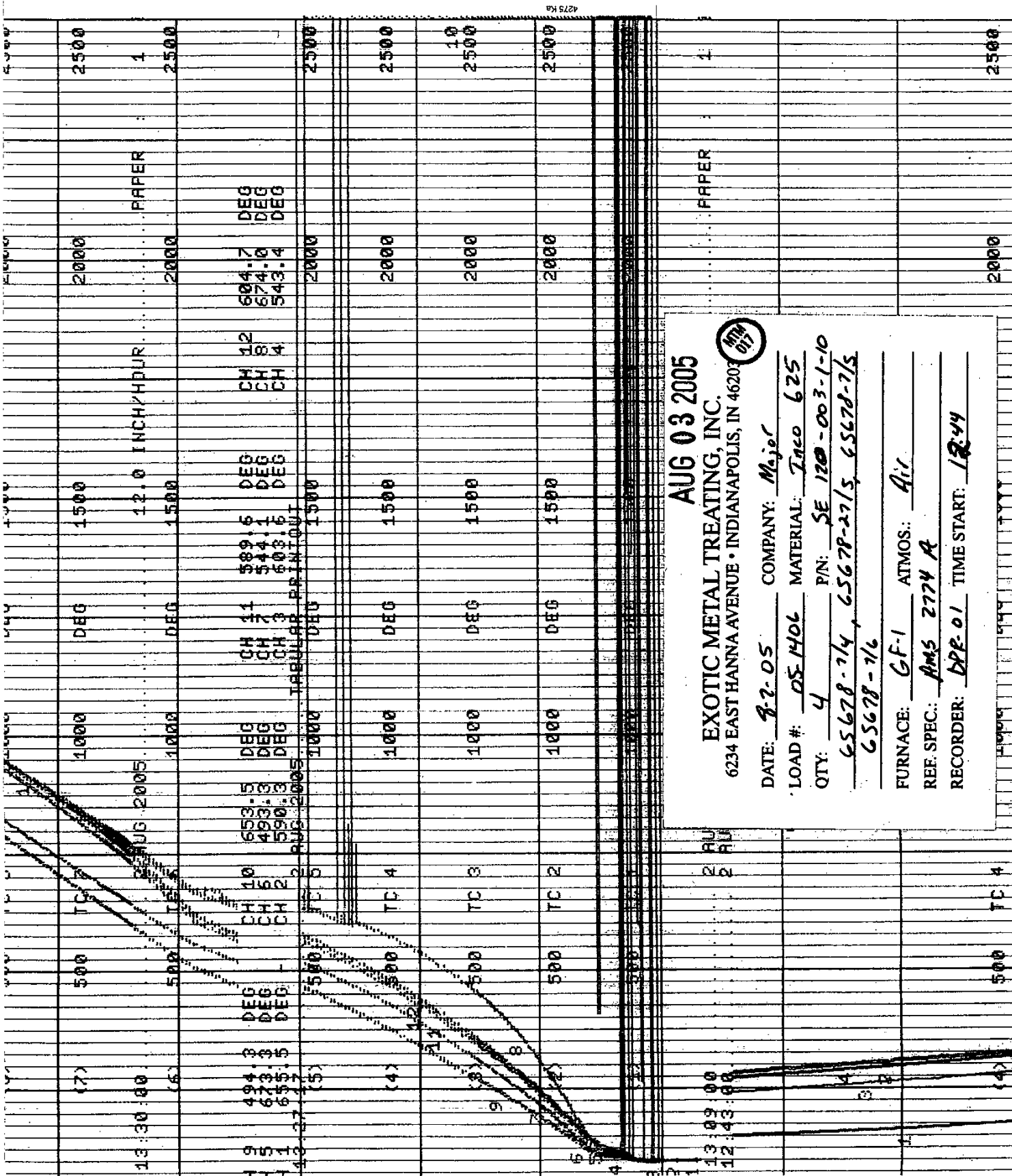
SOLUTION ANNEALED PER AMS-2774-A
1900°F ± 15°F FOR 45 MINUTES ± 5 MINUTES
& RAPID AIR COOLED.

AUG 03 2005



Sworn and subscribed to before me...
 on 8-05-05
 Notary Public Morgan County - State of Indiana
 My commission expires 9-30-09

[Signature]
 (Name)
DI
 (Title)



4275 KJ

AUG 03 2005

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

DATE: 8-2-05 COMPANY: Major

LOAD #: DFH06 MATERIAL: Ti60 625

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

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

65678-7/6

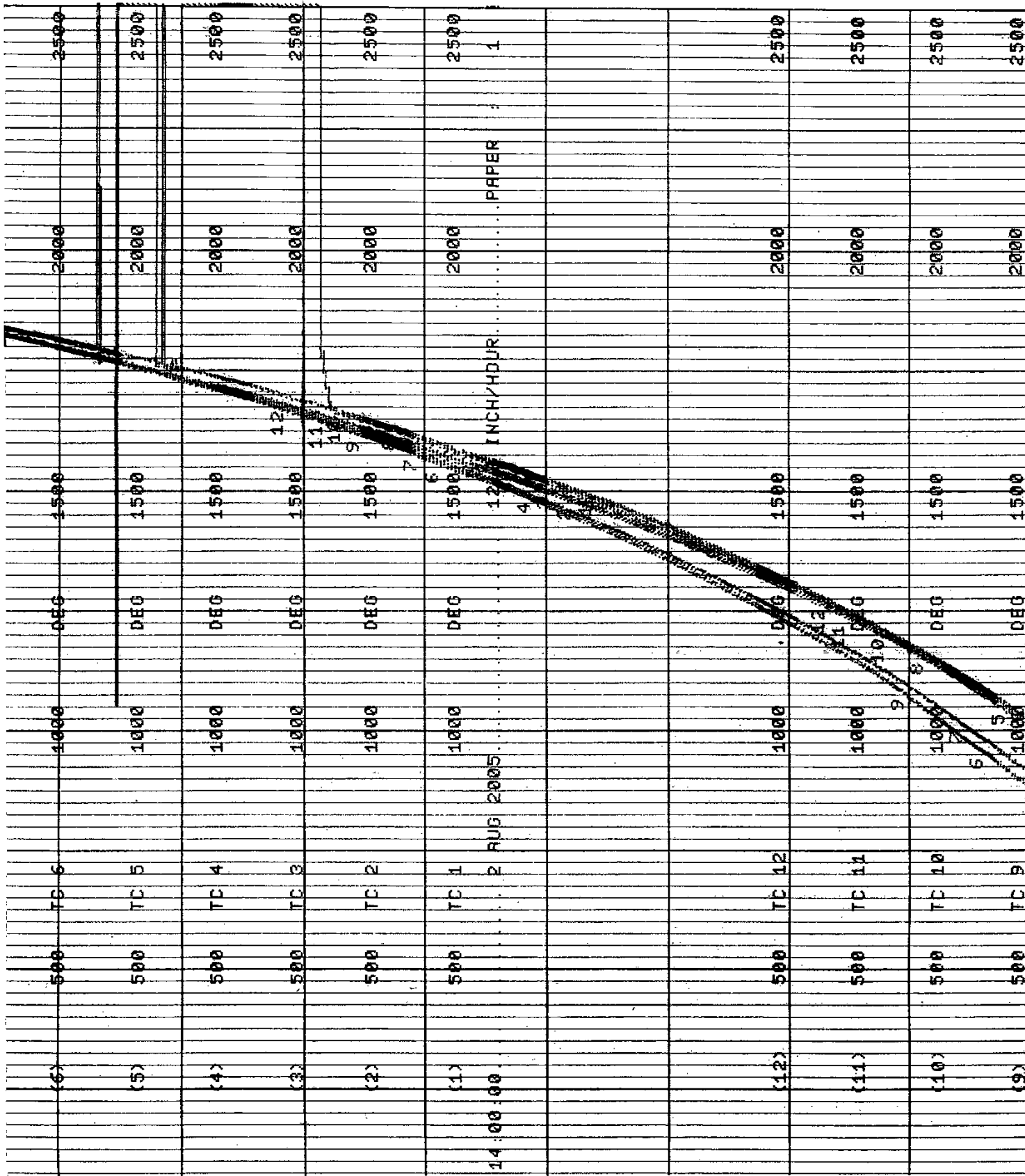
FURNACE: CF-1 ATMOS: Arg

REF. SPEC.: AMS 2774 A

RECORDER: DPE-01 TIME START: 12:44



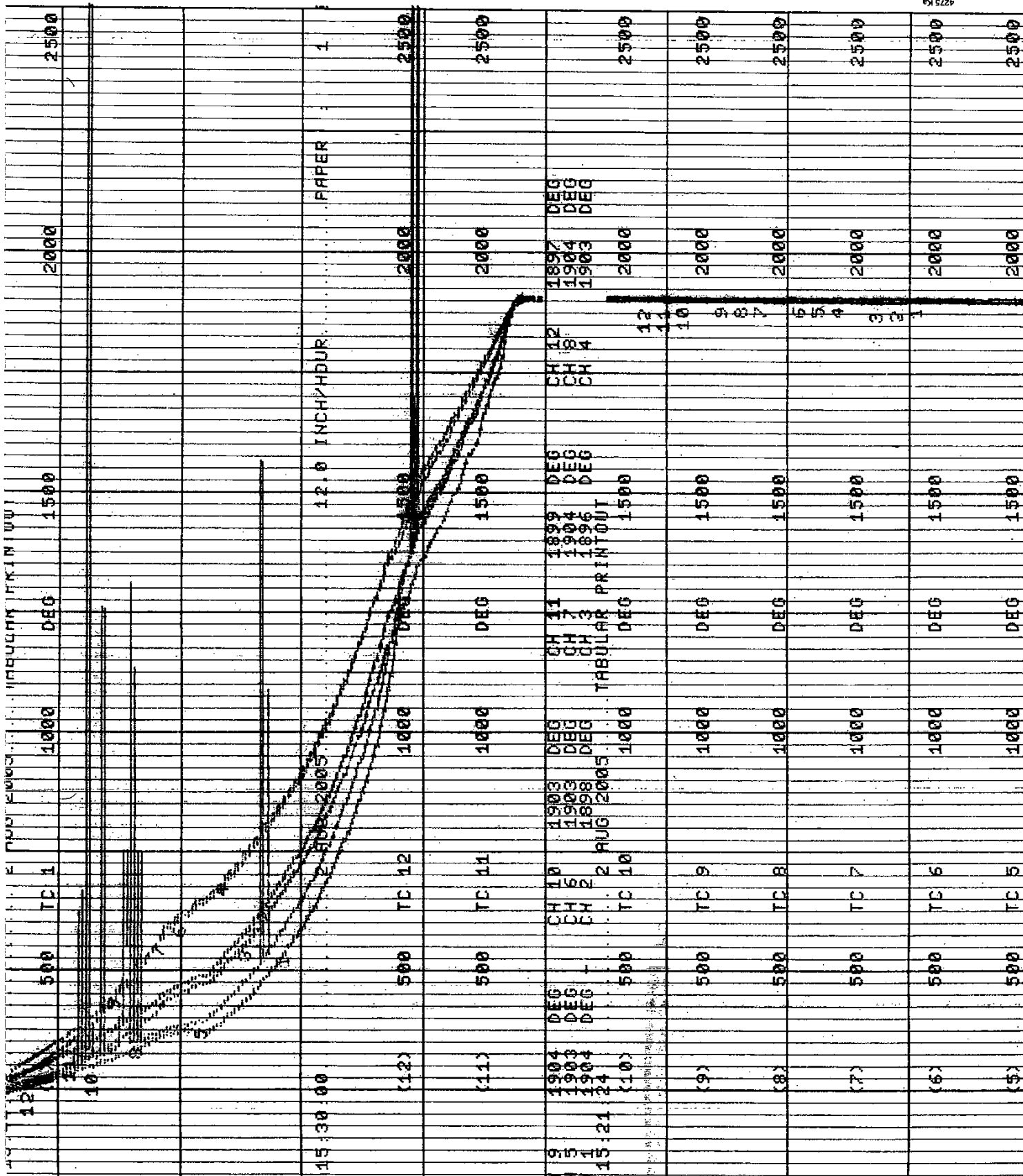
4276 KA

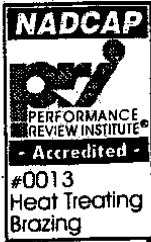


TIME	DATE	TIME	INCH/HDUR	DEG	INCH/HDUR	DEG	PAPER	TIME
15:00:00	2 AUG 2005		12.0				PAPER	1
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(2)	TC 2	500	1500	DEG	1000	DEG	2000	2500
(1)	TC 1	500	1500	DEG	1000	DEG	2000	2500
(2)	TC 12	500	1500	DEG	1000	DEG	2000	2500
(11)	TC 11	500	1500	DEG	1000	DEG	2000	2500
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1894	CH 11	DEG	1893	DEG	1894	DEG	1894	DEG
1895	CH 12	DEG	1886	DEG	1895	DEG	1892	DEG
14:35:53	2 AUG 2005		12.0				PAPER	1
(10)	TC 10	500	1500	DEG	1000	DEG	2000	2500
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1882	CH 15	DEG	1880	DEG	1882	DEG	1883	DEG
1881	CH 2	DEG	1871	DEG	1881	DEG	1876	DEG
14:30:00	2 AUG 2005		12.0				PAPER	1
(9)	TC 9	500	1500	DEG	1000	DEG	2000	2500
(8)	TC 8	500	1500	DEG	1000	DEG	2000	2500

TC	500	1000	1500	2000	2500
12	TC 1	DEC	DEC	DEC	DEC
10					
15:30:00			12.0 INCH/DUR	PAPER	1
(12)	TC 12	DEC	DEC	DEC	DEC
(11)	TC 11	DEC	DEC	DEC	DEC
15:21:24	1904 DEC	1903 DEC	1904 DEC	1903 DEC	1903 DEC
(10)	TC 10	DEC	DEC	DEC	DEC
(9)	TC 9	DEC	DEC	DEC	DEC
(8)	TC 8	DEC	DEC	DEC	DEC
(7)	TC 7	DEC	DEC	DEC	DEC
(6)	TC 6	DEC	DEC	DEC	DEC
(5)	TC 5	DEC	DEC	DEC	DEC

12 10 15:30:00 (12) (11) 15:21:24 (10) (9) (8) (7) (6) (5)





Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50132

Vendor Code # 107576

6234 E. Hanna Avenue • Indianapolis, Indiana

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

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

HEAT # 05-1377

DATE SHIPPED 7-27-05

QUANTITY

DESCRIPTION

4 PCS.

#SE120-003-1-10

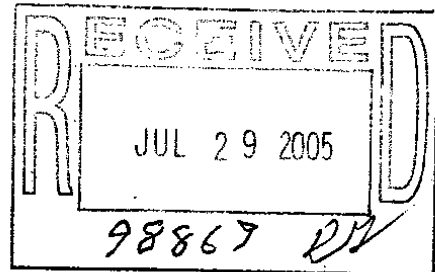
JOB #65678-10/4, 65678-8/5,

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

MATERIAL: INCO 625

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

AUG 03 2005



Serial 1

98870 RB

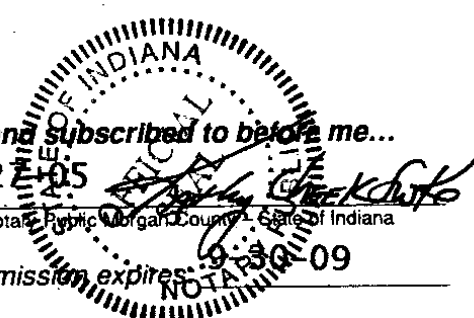
Serials 1-3



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)

14:00:04 27 JUL 2005 TRIBULAR PRINTOUT

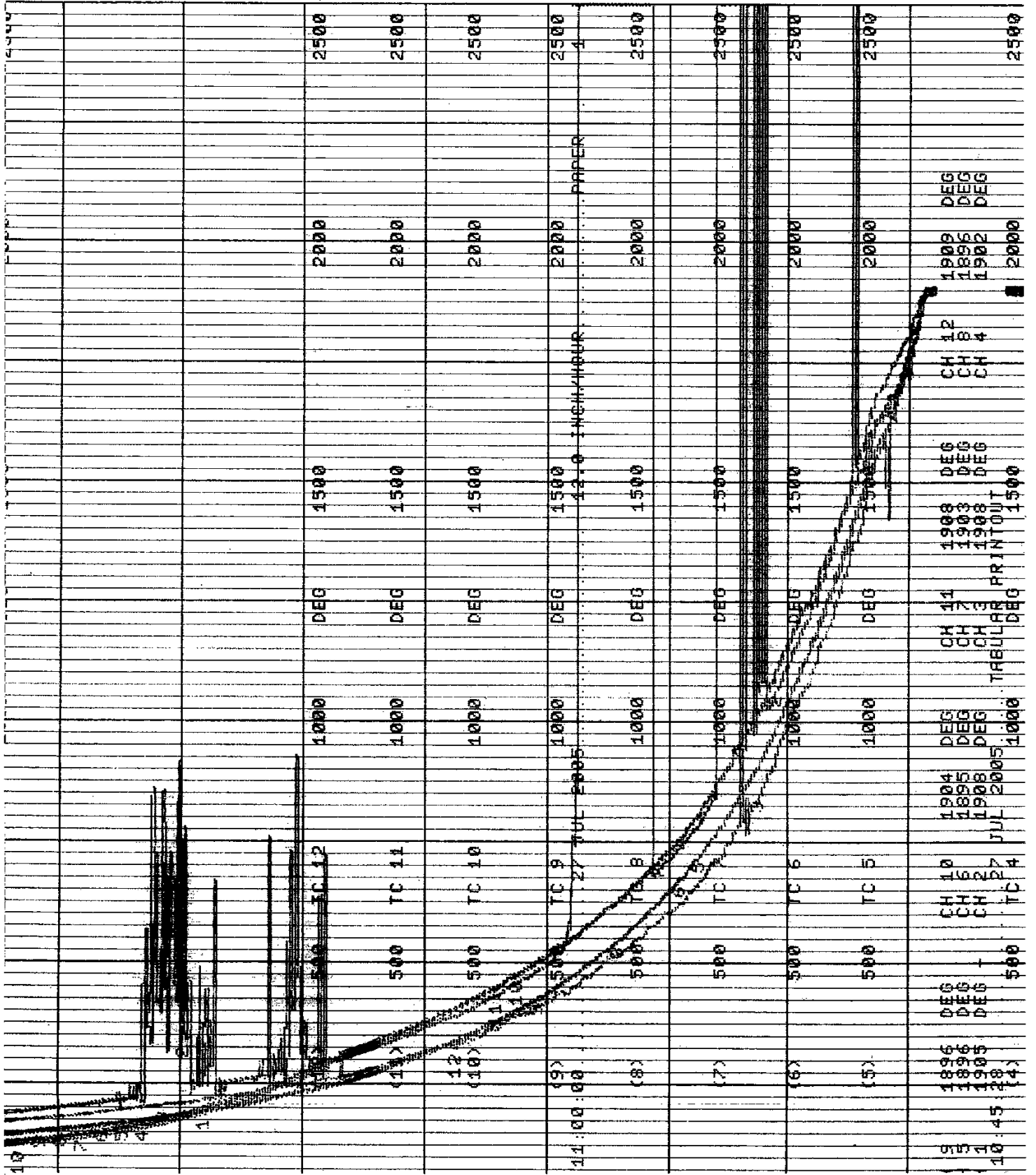
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(2)	500	TC 2	1000	DEC	1500	2000	2500
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(12)	500	TC 12	1000	DEC	1500	2000	2500
(11)	500	TC 11	1000	DEC	1500	2000	2500
(10)	500	TC 10	1000	DEC	1500	2000	2500
(9)	500	TC 9	1000	DEC	1500	2000	2500
(8)	500	TC 8	1000	DEC	1500	2000	2500

9:30:00 27 JUL 2005 12.0 IN/H/HOUR PAPER 1

4275 Ka

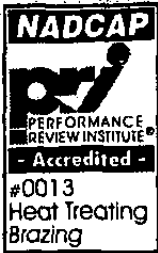
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10:30:00							27 JUL 2005	PAPER	1
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(9)	500	TC 9	1000	DEG	1500		2000	2500	
(8)	500	TC 8	1000	DEG	1500		2000	2500	
(7)	500	TC 7	1000	DEG	1500		2000	2500	
(6)	500	TC 6	1000	DEG	1500		2000	2500	
(5)	500	TC 5	1000	DEG	1500		2000	2500	

4275 Ka



10

10:45



Certificate of Conformance

EXOTIC METAL TREATING INC.

Certificate # 50214

6234 E. Hanna Avenue • Indianapolis, Indiana

Vendor Code # 107576

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

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

HEAT # 05-1470

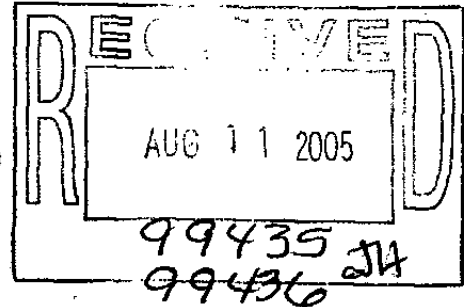
DATE SHIPPED 8-10-05

QUANTITY	DESCRIPTION
3 PCS	#SE120-003-1-10 JOB #65678-29/5, 65678-9/5, 65678-9/6 SEQ #30

MATERIAL: INCO 625

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

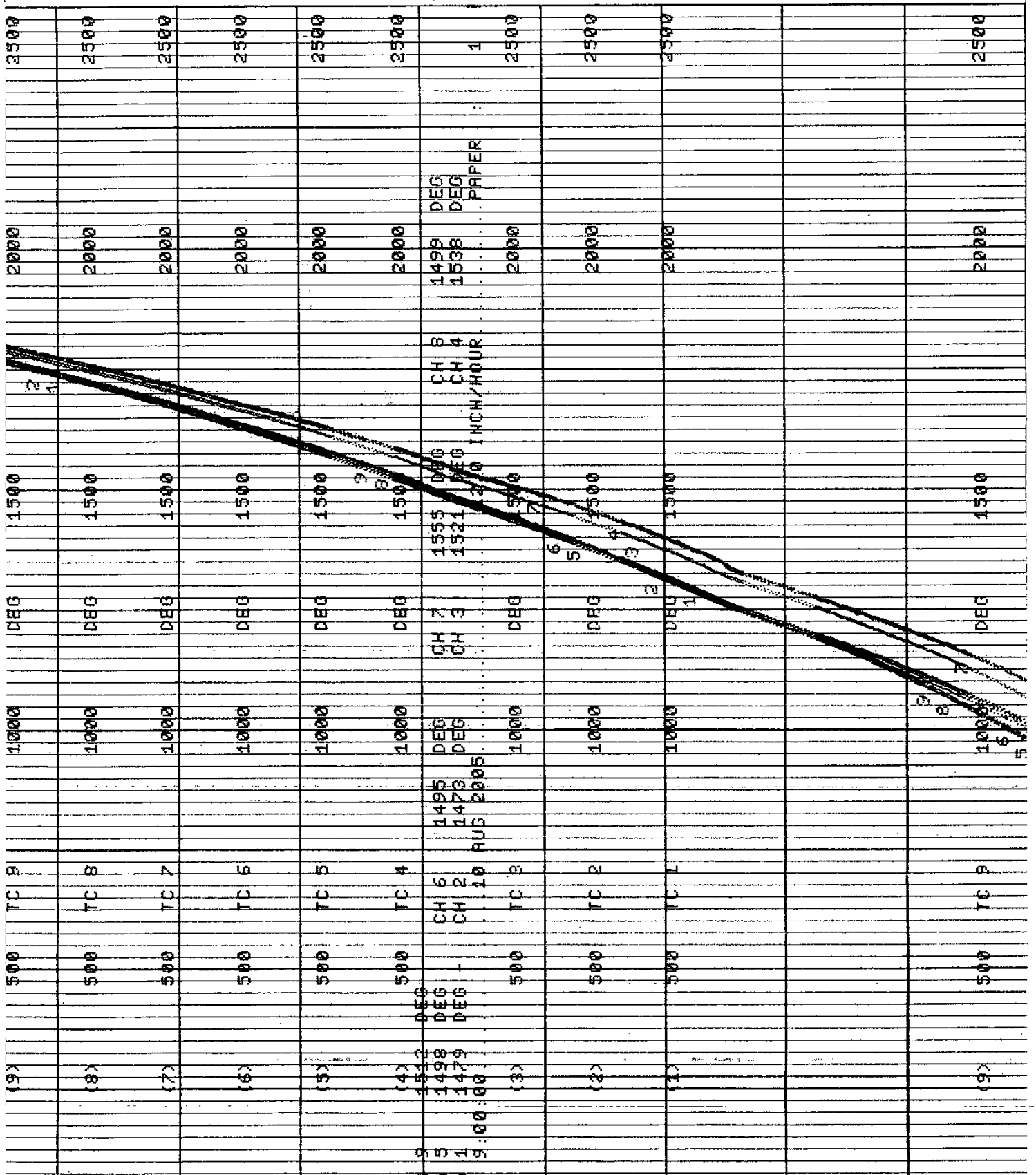
AUG 15 2005

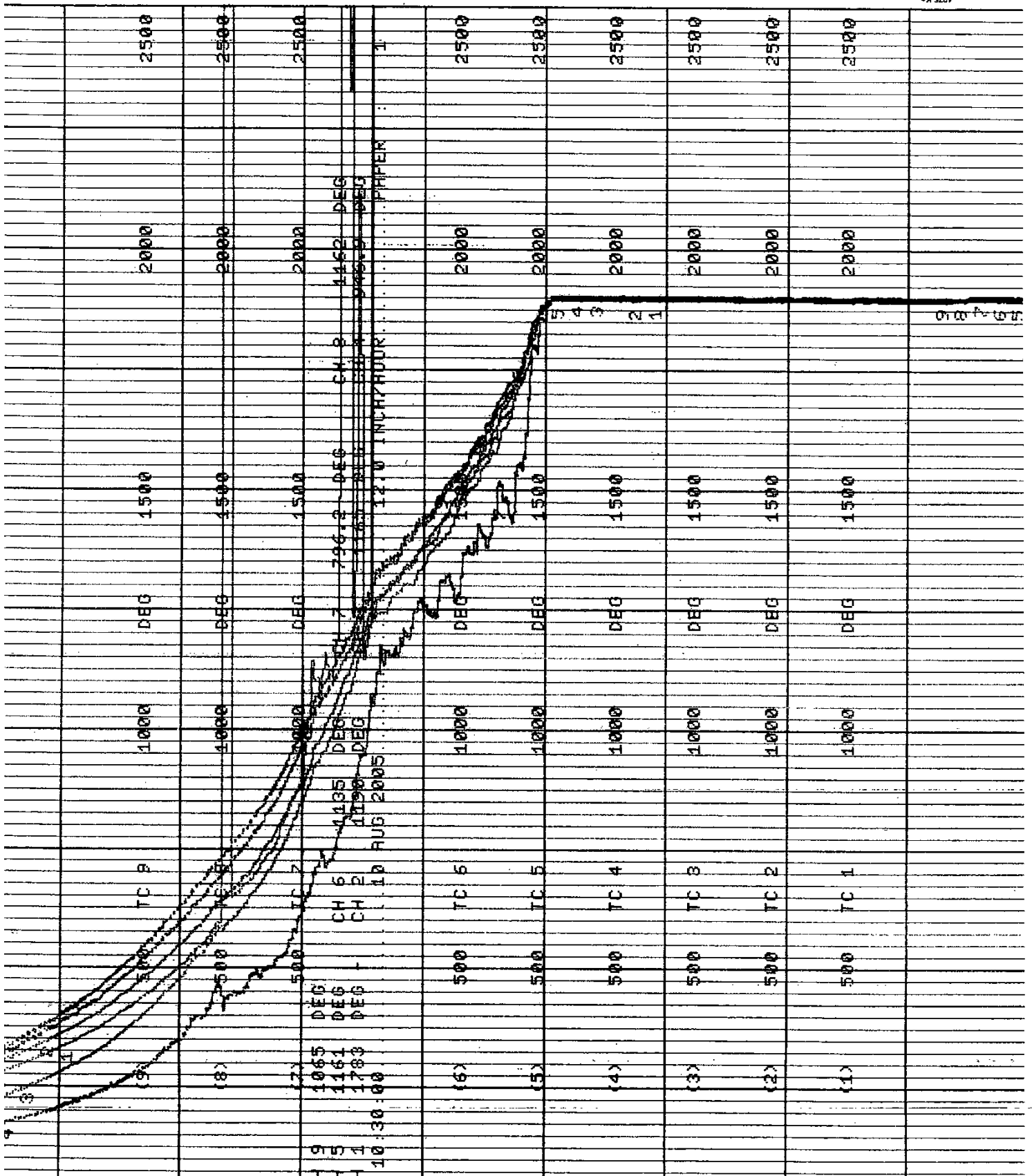


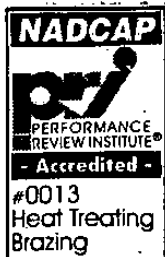
Sworn and subscribed to before me...
 on 8-10-05
 Notary Public Morgan County State of Indiana
 My commission expires: 9-30-09

[Signature]
 (Name)
QA
 (Title)

4275 Ka







Certificate of Conformance

EXOTIC METAL TREATING INC.

6234 E. Hanna Avenue • Indianapolis, Indiana

Certificate # 50171

Vendor Code # 107576

P.O. # P05-04379

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

HEAT # 05-1426

DATE SHIPPED 8-4-05

QUANTITY

DESCRIPTION

3 PCS

#SE120-003-1-10

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

SEQ #30

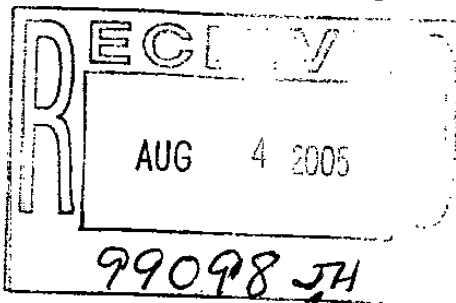
MATERIAL: INCO 625

SOLUTION ANNEALED PER AMS-2774-A

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

& RAPID AIR COOLED.

AUG 04 2005



AUG 04 2005



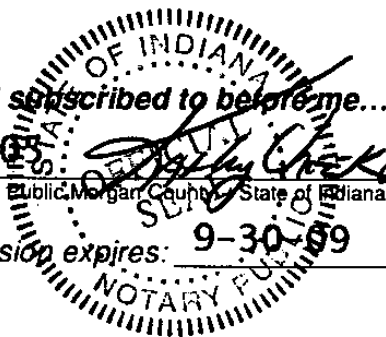
Sworn and subscribed to before me...

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

My commission expires: 9-30-09

[Signature]
(Name)

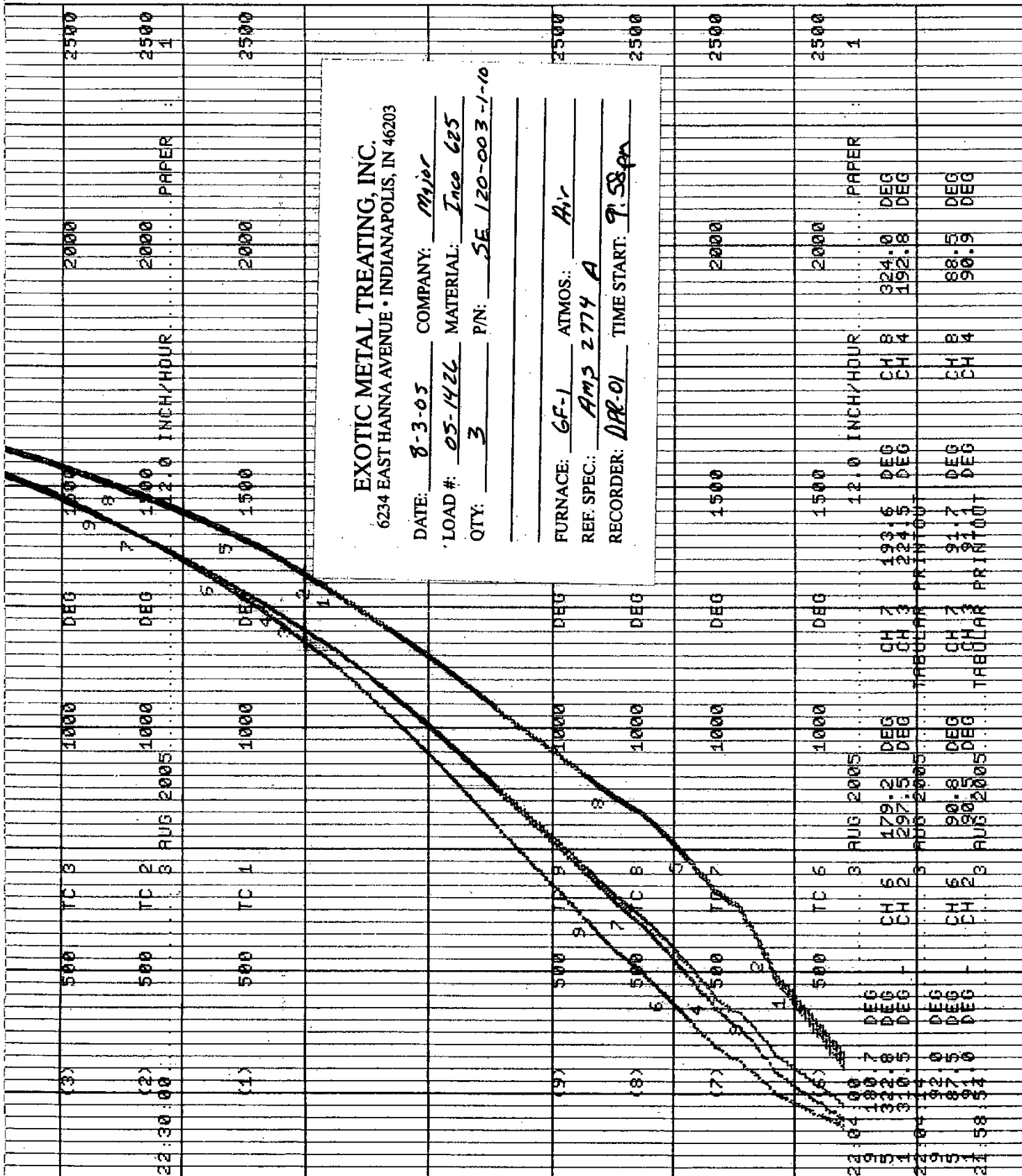
SA
(Title)



4275 KA

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

DATE: 8-3-05 COMPANY: Major
 LOAD #: 05-1426 MATERIAL: Inco 625
 QTY: 3 P/N: SE 120-003-1-10
 FURNACE: 6F-1 ATMOS: Ar
 REF. SPEC.: AMP 2774 A
 RECORDER: DPR-01 TIME START: 9:58 pm



(3) 500 TC 3 1000 2000 2500
 22:30:00 500 TC 2 3 AUG 2005 1000 2000 2500
 (2) 500 TC 1 1000 2000 2500
 (1) 500 TC 1 1000 2000 2500

23:04:58 500 TC 6 1000 2000 2500
 23:04:58 500 TC 6 1000 2000 2500
 23:04:58 500 TC 6 1000 2000 2500

(3)	500	TC 3	1000	DEG	1500	2000	2500
(2)	500	TC 2	1000	DEG	1500	2000	2500
1898	DEG	CH 6	1898	DEG	1898	1898	DEG
1901	DEG	CH 2	1899	DEG	1897	1896	DEG
1898	DEG	CH 3	AUG 2005	TABULAR PRINTOUT			
1898	DEG	CH 5	1894	DEG	1885	1899	DEG
1901	DEG	CH 2	1899	DEG	1885	1884	DEG
23:07:36	DEG	CH 3	AUG 2005	TABULAR PRINTOUT			
(1)	500	TC 1	1000	DEG	1500	2000	2500
1818	DEG	CH 6	1806	DEG	1802	1820	DEG
1819	DEG	CH 2	1803	DEG	1795	1794	DEG
1800	DEG	CH 3	AUG 2005	TABULAR PRINTOUT			
23:00:00	DEG	CH 3	AUG 2005	TABULAR PRINTOUT			
(9)	500	TC 9	1000	DEG	1500	2000	2500
(8)	500	TC 8	1000	DEG	1500	2000	2500
(7)	500	TC 7	1000	DEG	1500	2000	2500
(6)	500	TC 6	1000	DEG	1500	2000	2500
(5)	500	TC 5	1000	DEG	1500	2000	2500

920
945
970

9.5
7.6
4.9

12.0 INCH/HOUR
PAPER

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

4275 KA

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

mc094944.pdf



DATE 11/26/03

CERTIFICATION OF TESTS

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

SHIP TO: SAME

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

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

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

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

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

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

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

ARCOS

Eileen Zerby Q.A. CLERK
 QUALITY ASSURANCE DEPARTMENT

81505
 Line 1
 R. 7

12/5/03

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

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		F03-04749		N/A		11/26/03	
ITEM	SIZE	GRADE		LOT NO./ALLOY NO.		QUANTITY	
1	1/16 X 36"	ARCOS 825		AB8051		30#	

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

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

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

OTHER INFORMATION:

LOT CLASSIFICATION - S1
 INTENSITY OF TESTING - Schedule F

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

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

ARCOS

Eileen Zerby Q.A. CLERK
 QUALITY ASSURANCE DEPARTMENT

8/505
 Line 1
 R. 7

12/5/03

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

mc095629.pdf



DATE 01/13/04

CERTIFICATION OF TESTS

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

SHIP TO: SAME

ARCOS S.O.		CUSTOMER ORDER NO.		CONSIGNEE ORDER NO.		DATE SHIPPED			
79698		P04-00127		N/A		1/13/04			
ITEM	SIZE	GRADE		LOT NO./ALLOY NO.		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

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. J. [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: _____
 Magna Gage: _____
 X-Ray: _____
 Bends: _____
 Hardness: _____

TENSILE As Welded Heat Treated
 Yield _____
 Tensile _____
 Elongation _____
 Red. of Area _____

OTHER INFORMATION:

LOT CLASSIFICATION - S1
 INTENSITY OF TESTING - Schedule F

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

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

ARCOS

Eileen Zerby Q.A. CLERK
QUALITY ASSURANCE DEPARTMENT

MTM 016
 1-23-04

JAN 14 2004
 82255
 line 2