

8-52-0943 / 01

	<input checked="" type="checkbox"/> RMI TITANIUM COMPANY 1000 WARREN AVE. NILES, OHIO 44446	DATE SEP 12 2008	SALES ORDER NO. 100976	GRADE 6AL-4V	PACKING LIST NO. 80202355	
	<input type="checkbox"/> RTI TRADCO 1701 WEST MAIN ST. WASHINGTON, MO 63090	CUSTOMER NAME AUBERT ET DUVAL		CUSTOMER ORDER NO. PA07713		
IDENTIFICATION & REFER MATERIAL NUMBER 8520943		INGOT NO 01	LOT 00	SPECIFICATION STM T0500E REV. D, AMS 4928R, AMS 2631B CL. A1, MIL-T-9047G AM. 2 6AL-4V, I.G.C. 04.33.121 REV. D, BS2TA12, I.G.C. 04.40.109 REV. C AM. 1, I.G.C. 04.25.118 CL. A DTD 12-6-84, MIL-STD-2154 CL. AA (SINGLE #3/64 FBH) DTD 9-30-82, DQG 06-01F REV. F02.		
PRODUCTION ORDER 30121855						

CHEMISTRY: INGOT (AVERAGE of TOP-CENTER-BOTTOM) INGOT (AVERAGE of TOP-BOTTOM) FINAL PRODUCT

ELEMENT	TEST	TEST INFORMATION	FRACTURE TOUGHNESS KSI \sqrt{IN}		
C	.014	LAB	Specimen Size:		
N	.005	All	RMI Titanium, Niles, OH	ID	Toughness # Val. Ck.
Fe	.20				
Al	6.60				
V	3.91				
Y	<50 PPM		RESIDUAL ELEMENTS, EACH <.10%		
B	<10 PPM		RESIDUAL ELEMENTS, TOTAL <.30%		
O	.18				
			CHEMISTRY TEST METHODS: ALLOY CHEM: SPARK OES O2/N2: ASTM E 1409 HYDROGEN: ASTM E 1447 CARBON: ASTM E 1941		
TI	BALANCE				
FINAL PRODUCT	OXY	T1A .19 B1A .19			
	HYD(PPM)	T1A 10 B1A 35 (PPM)			

T0500E / D00
Réception métal
BPF 10: 30/10/08
B/H

PROPERTIES	T1A	B1A	T1A-MPA	B1A-MPA	This certificate shall not be reproduced except in full without written approval of the RTI International Metals, Inc. lab at which it was prepared. The recording of false, fictitious, or fraudulent statements or entries on this documents may be punished as a felony under federal law.
ULTIMATE KSI	L /	L /	L /	L /	
YIELD (.2%) OFFSET	T 154.9 /	T 152.8 /	T 1068 /	T 1053 /	
% ELONGATION (INCHES)	L /	L /	L /	L /	
% REDUCTION IN AREA	T 144.1 /	T 141.4 /	T 993 /	T 975 /	
BEND 105	L /	L /	L /	L /	
HARDNESS	L /	L /	L /	L /	
BETA TRANSUS	DTA: T1A 1840°F ± 10°F B1A 1845°F ± 10°F		DTA: T1A 1005°C ± 6°C B1A 1007°C ± 6°C		
CREEP					
ULTRASONIC	ULTRASONICALLY TESTED AND ACCEPTABLE TO AMS 2631B CL. A1, MIL-STD-2154 TYPE 1 CL. AA (SINGLE #3/64 FBH) & I.G.C. 04.25.118 CL. A.				
HEAT TREAT/TEST FORGE	T/F 1/4 OF 9.449" DIA X 2" UPSET FORGE		T/F 1/4 OF 240 mm DIA X 50.8 mm UPSET FORGE		
	5/8" PLATE + LAB ANNEAL 1300°F 2 HRS. A.C.		16 mm PLATE + LAB ANNEAL 704°C 2 HRS. A.C.		
SHIPPING	OTHER DATA:				
NO. OF PIECES	15(6 + 9 TEST PCS)				
WEIGHT (LBS)	11,392.0# (5,178 Kg)				
SIZE (IN)	9.449" X DIA X R/L				
TEST PIECES	* X * X *				

THIS IS TO CERTIFY THAT THE ABOVE TEST RESULTS ARE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY AND CONFORM TO ORDER REQUIREMENTS

INGOT WAS MELTED AT RMI TITANIUM COMPANY, NILES, OHIO. MELT METHOD: GAL CONSOL. + 2X VAR. MACROSTRUCTURE MEETS STANDARD LEVEL OF 10 OR BETTER. MICROSTRUCTURE ACCEPTABLE. PRODUCED AND CONTROLLED IN ACCORDANCE WITH FIXED PROCESS AGREEMENTS RMI/AIRBUS #14B, & RMI/AUBERT ET DUVAL #1 DTD 6-18-07. MICROSTRUCTURE MEETS ASTM G/S OF 8 OR FINER. AIRBUS/MAT/CON/353. METRIC SIZE: 240 mm X DIA X R/L
 * 2 TEST PIECES: 1/2 OF 9.449" X 2.0"; 7 TEST PIECES: 1/2 OF 9.449" X 1.0"

NAME/TITLE: SHERRI ENGEL, MANAGER OF CERTIFICATIONS

SIGNED: *Sherry Engel*

DATE: 9/11/08

BILLET TEST REPORT

M# 19643

Niles, Ohio 44446

MATERIAL	6AL-4V	CUSTOMER	AUBERT ET DUVAL
HEAT NO.	8520943-01-00	SALES ORDER	100976
SIZE & FORM	9.449" DIA.	CUSTOMERPO	PA07713
MELT SOURCE	RMI COMPANY	PRODUCTION ORDER	30121855
MELT DATE	3-24-08	DATE SHIPPED	SEP 12 2008
BILLET SOURCE	RMI COMPANY	WEIGHT SHIPPED	11,392.0#
SONIC SOURCE	RMI COMPANY	INGOT SIZE	36" DIA.
REPORT DATE	9-08-08		

TESTING PARAMETERS

Hash Level 20-35% Alarm Level 45% Contact Immersion X
 Transducer Size 1/2 X 1" Transducer Frequency 5 MHZ Acceptance Std. #3/64 FBH

This material conforms to the requirements of specification (revision number or date of specification Issued).

AMS 2631B CL. A1, MIL-STD-2154 TYPE 1 CL. AA (SINGLE #3/64 FBH) DTD 9-30-82, & I.G.C. 04.25.118 CL. A DTD 12-6-84

Tested by RMI COMPANY Date 8-18-08 Reported by *M. Chyl* Date 9/11/08

TEST RESULTS

The following billets conformed fully without necessity for cutting except end cropping not related to sonic indications.

Billet Ident.	Original Length	Shipped Length	Billet Ident.	Original Length	Shipped Length

The following billets or sections were not shipped for the reasons indicated below, (Provide reason by number(*) and indicated length.) Billet section identified with an "a" were shipped.

- | | | |
|---------------------------------------|---------------------------|------------------------------|
| 1. Hold In Stock for Another Customer | 6. Clean Voids Porosity | 11. Dimensional Variation |
| 2. Macro Slice | 7. Alpha Stabilized Voids | 12. Other Sonic Indication |
| 3. Grain Size Variation | 8. Cracks | 13. Short Length |
| 4. Segregation | 9. Surface Defects | 14. No Defect Found |
| 5. High Density Inclusion | 10. End Defects | 15. SHIPPING ON P/L 80202366 |

Billet Identity

0"	2	T1A-S-184.937"	185 1/4"
0"	2	T1B-S-186.875"	187 1/4"
0"	2	T2A-S-184.812"	185"
0"	2	T2B-S-165.687"	166"
162"	2	B2B-S-161.687"	0"

END NEAREST BOTTOM OF INGOT

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AMS 2631B CL. A1, MIL-STD-2154 TYPE 1 CL. AA (SINGLE #3/64 FBH) DTD '9-30-82, & I.G.C. 04.25.118 CL. A DTD 12-6-84

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| 4. Segregation | 9. Surface Defects | 14. No Defect Found |
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Billet Identity

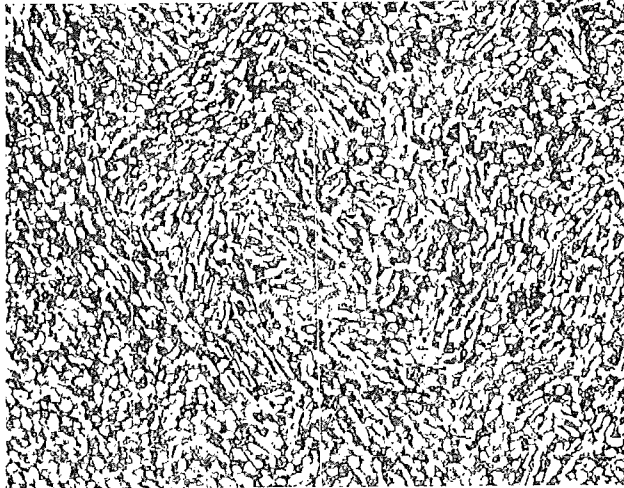
177 1/2"	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 70%; text-align: center;">B2A-15</td> <td style="width: 25%; text-align: right;">0"</td> </tr> </table>	2	B2A-15	0"						
2	B2A-15	0"								
184 3/4"	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 70%; text-align: center;">B1B-15</td> <td style="width: 25%; text-align: right;">0"</td> </tr> </table>	2	B1B-15	0"						
2	B1B-15	0"								
185 3/4"	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%; text-align: center;">B1A2-S-109.312"</td> <td style="width: 10%; text-align: center;">2</td> <td style="width: 10%; text-align: center;">4</td> <td style="width: 10%; text-align: center;">B1A1-4</td> <td style="width: 5%; text-align: center;">2</td> <td style="width: 5%; text-align: center;">3</td> <td style="width: 35%; text-align: right;">0"</td> </tr> </table>	2	B1A2-S-109.312"	2	4	B1A1-4	2	3	0"	
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; height: 40px;"> </td> <td style="width: 20%; text-align: right;">0"</td> </tr> </table>		0"							
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	0"									

END NEAREST BOTTOM OF INGOT

COULEE : 8-52-0943

2/8

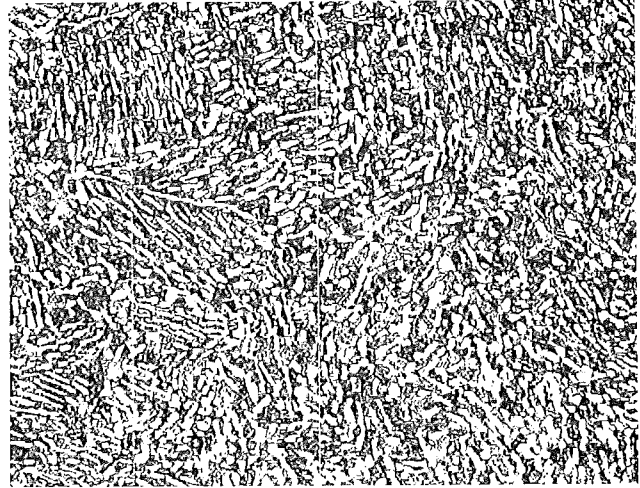
REP 1



950°C

X 100

T1A

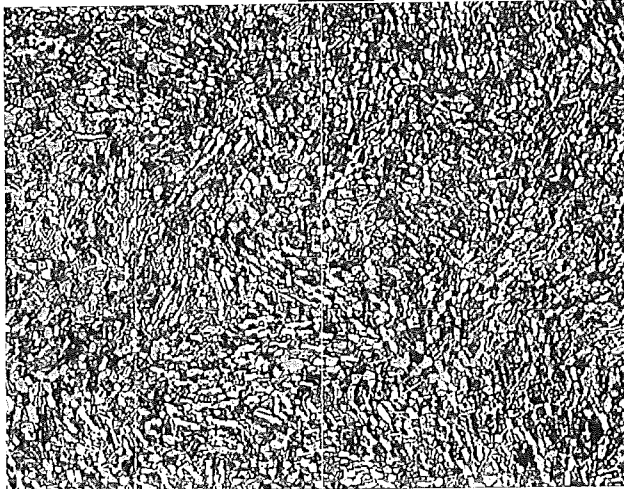


965°C

X 100

REP 2

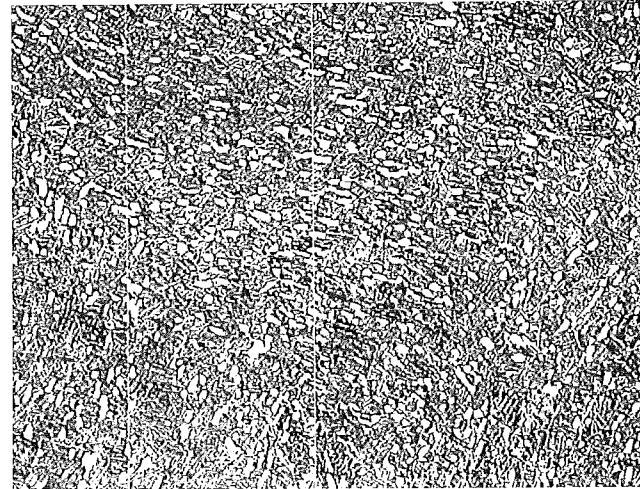
REP 3



980°C

X 100

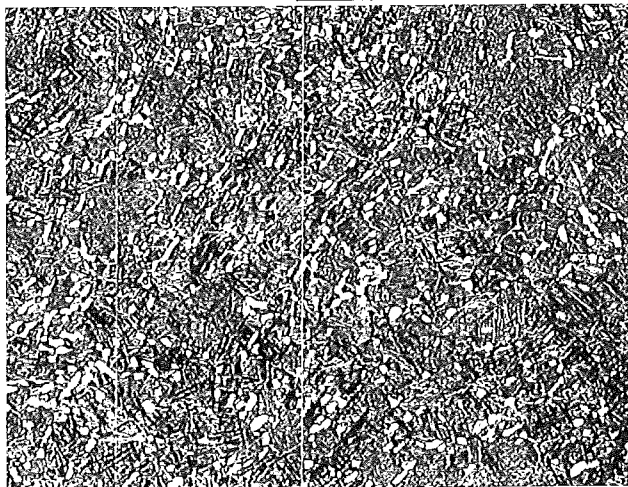
REP 4



990°C

X 100

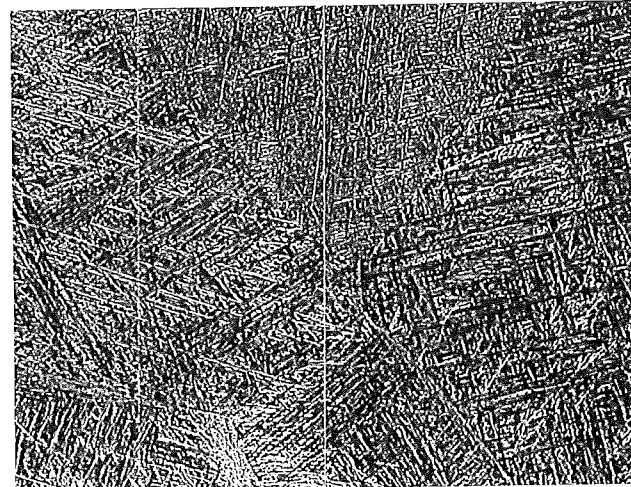
REP 5



1000°C

X 100

REP 6

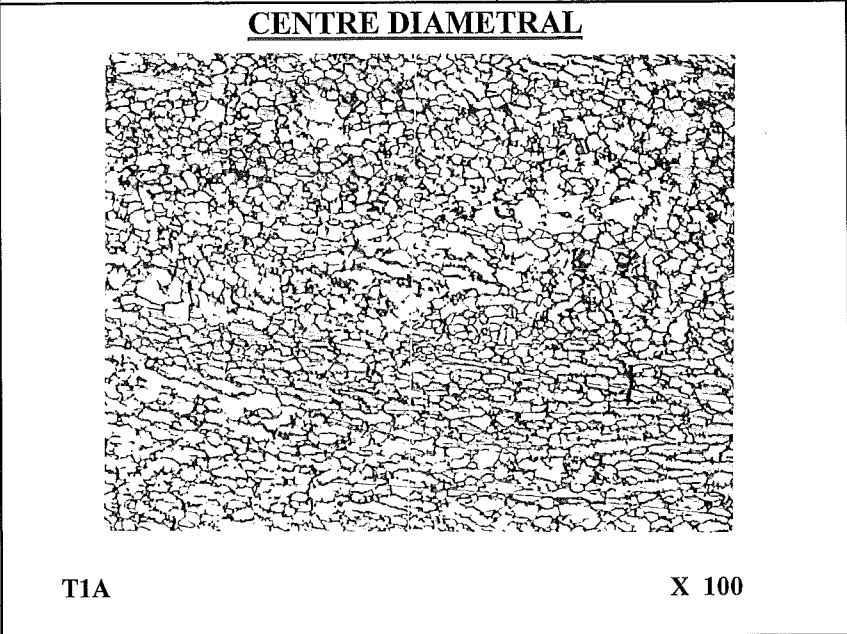


1010°C

X 100

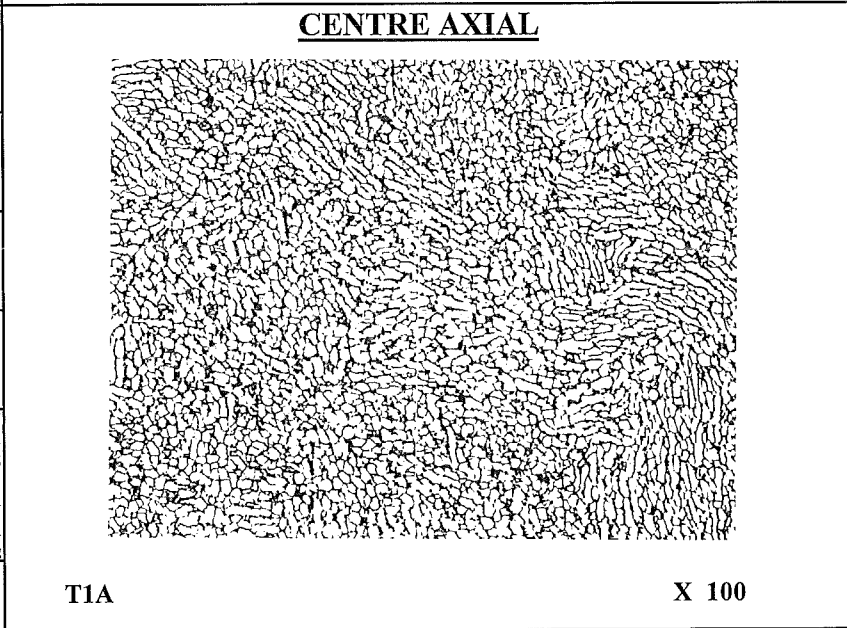
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PIECE Part RECEPTION 1/2 PRODUIT Stuck	PLAN Drawing Zeichnung	NUANCE Material TA6V STD Sorte
GAMME Process Arbeitsvorgang	SPECIFICATIONS Spezifizierung IGC04 33 121 ESS 203	COULEE Heat 8-52-0943 Schmelze

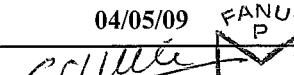

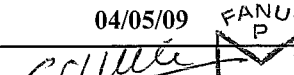
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T Specification
<input type="checkbox"/> 1 grosueur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> A.S.T.M.E 112
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> NF A 04-102
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<input checked="" type="checkbox"/> 4 Alpha %	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>



RESULTATS / RESULTS

1	
2	
3	
4	DIAMETRAL = 65/75% AXIAL = 65/75%
RESULTAT : Result <input checked="" type="checkbox"/> Ergebnis	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung
RESULTAT : Result <input type="checkbox"/> Ergebnis	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung



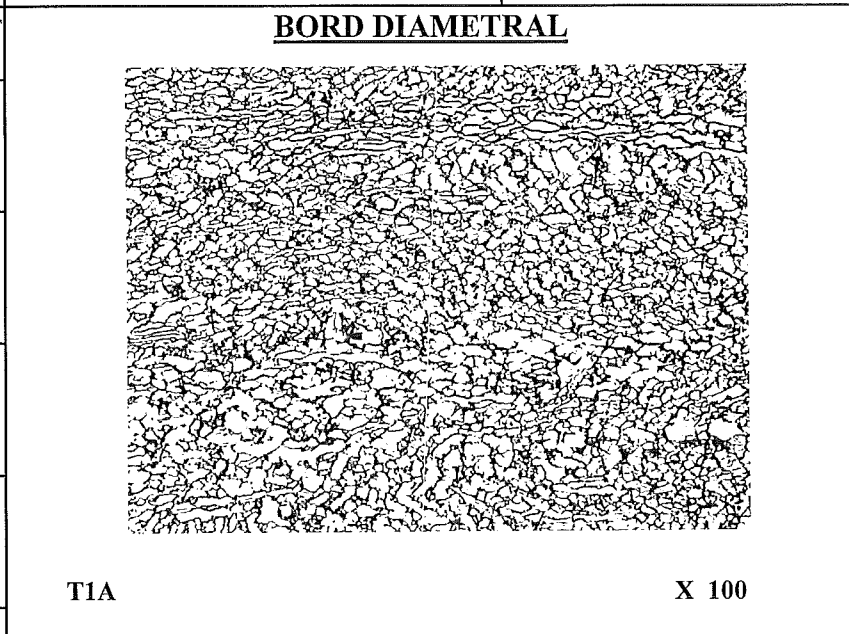
FICHE DE NOM CONFORMITE N° Non conformite report n°			
	OPERATEUR Operator Inspektor	Approbation Labo Lab Approval	CONTROLES EXTERIEURS Inspections Authorities Kundenprufungs
Name NOM Namen	CAZAUD L	KAMNA K	N° de Bon
DATE/Datum	04/05/09	04/05/09 	FF4993
SIGNATURE			

CLIENT Customer AIRBUS Besteller	Cde CLIENT Your Order Bestel	Cde UP Our Order 31P2077 Werksbestell 005 007
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PIECE Part RECEPTION 1/2 PRODUIT Stuck	PLAN Drawing Zeichnung	NUANCE Material TA6V STD Sorte
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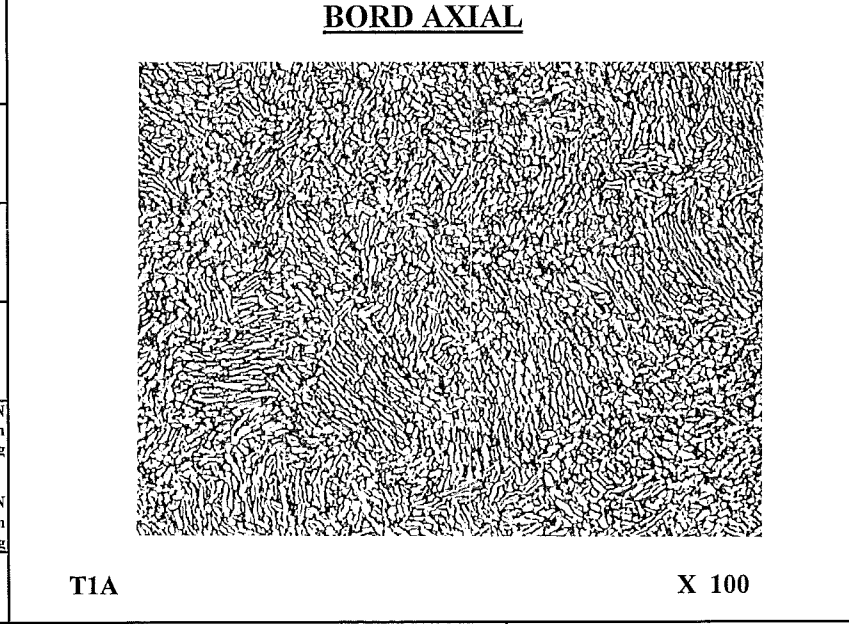
GAMME Process Arbeitsvorgang	SPECIFICATIONS Spezifizierung IGC04 33 121 ESS 203	COULEE Heat 8-52-0943 Schmelze
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EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T Specification
<input type="checkbox"/> 1 grosneur de grain grain size	<input type="checkbox"/> pièce / part réplique	<input type="checkbox"/> A.S.T.M.E 112
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<input checked="" type="checkbox"/> 4 Alpha %	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>



RESULTATS / RESULTS

1	
2	
3	
4	DIAMETRAL = 65/75% AXIAL = 55/65%



RESULTAT : Result Ergebnis	<input checked="" type="checkbox"/>	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung
RESULTAT : Result Ergebnis	<input type="checkbox"/>	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung

FICHE DE NOM CONFORMITE N°
 Non conformite report n°

	OPERATEUR Operator Inspektor	Approbation Labo Lab Approval	CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs
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Name NOM Namen	CAZAUD L	KAMNA K	N° de Bon
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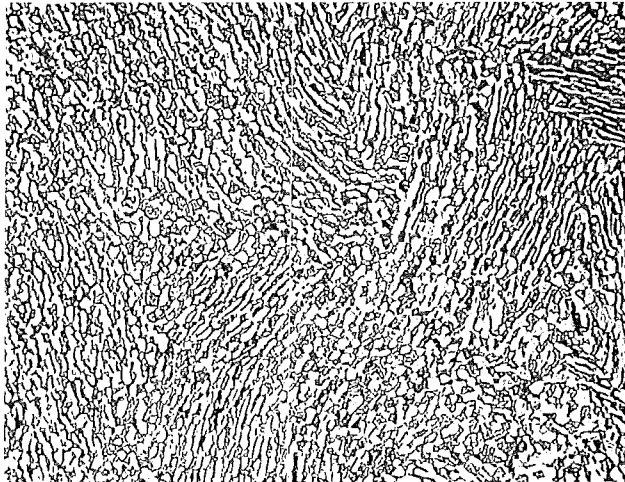
DATE/Datum	04/05/09	04/05/09	FF4993
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SIGNATURE Unterschrift			
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COULEE : 8-52-0943

6/8

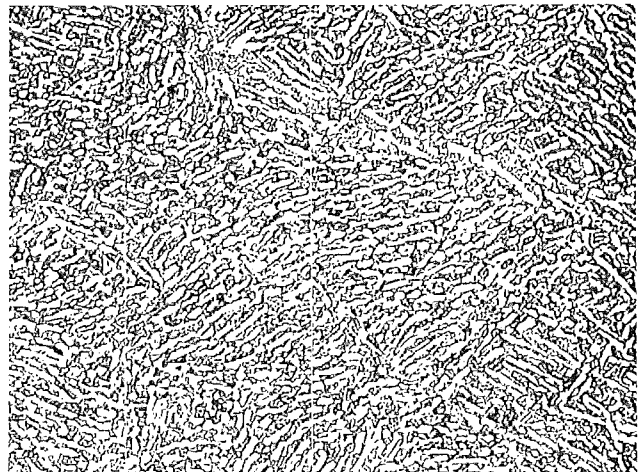
REP 1



950°C

X 100

B1A

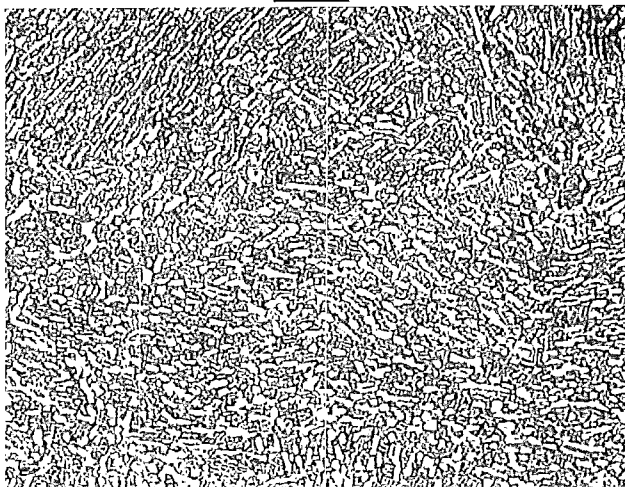


965°C

X 100

REP 2

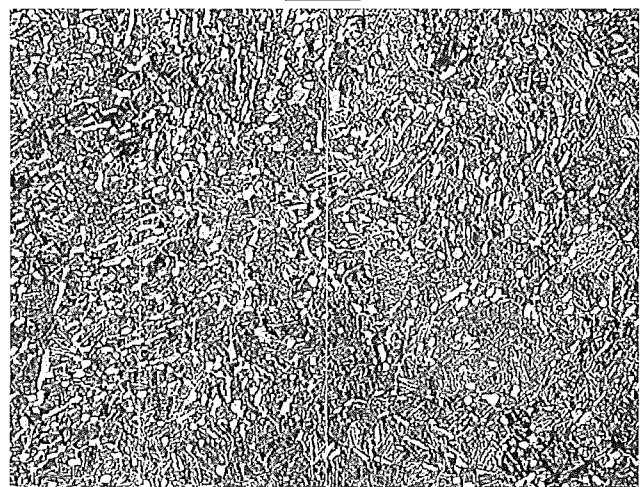
REP 3



980°C

X 100

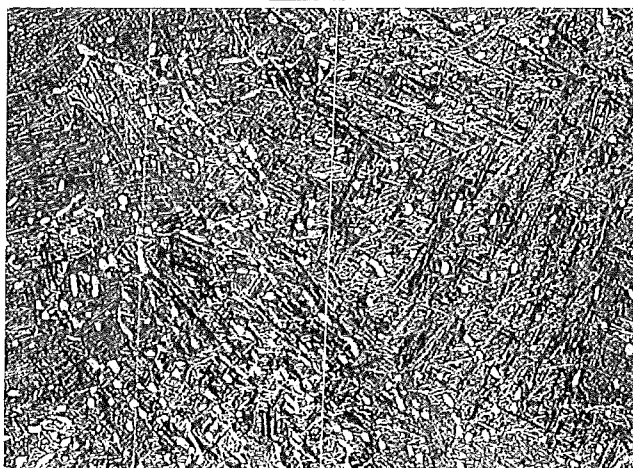
REP 4



990°C

X 100

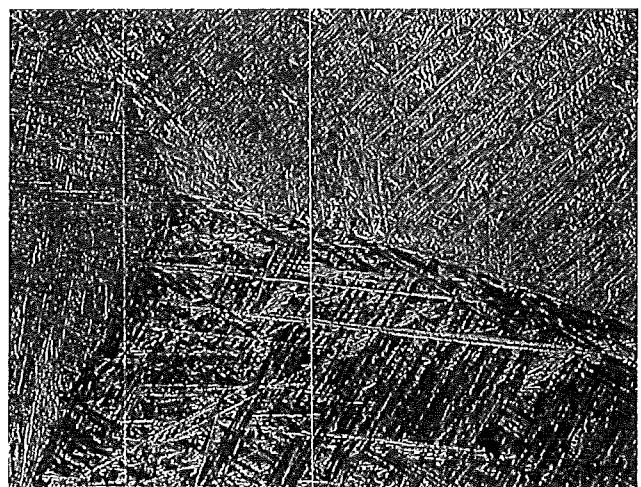
REP 5



1000°C


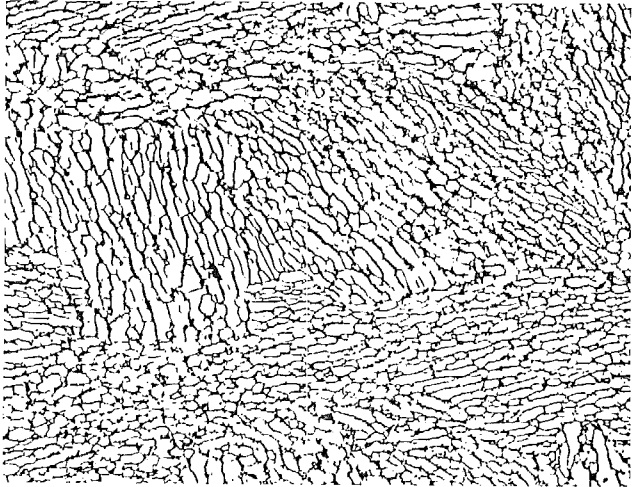
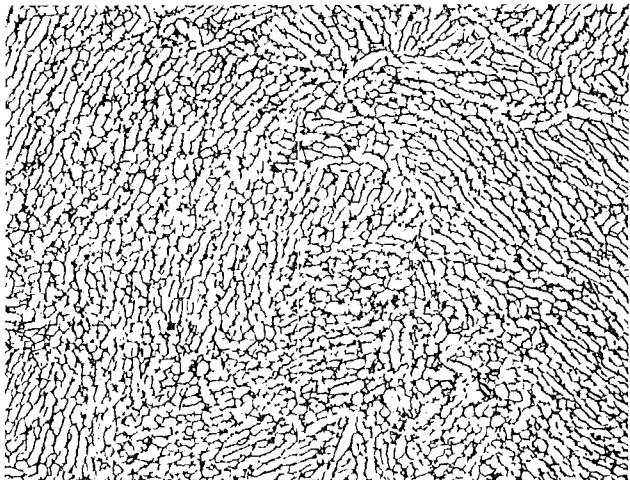

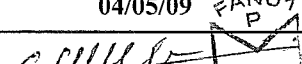
X 100

REP 6



1010°C

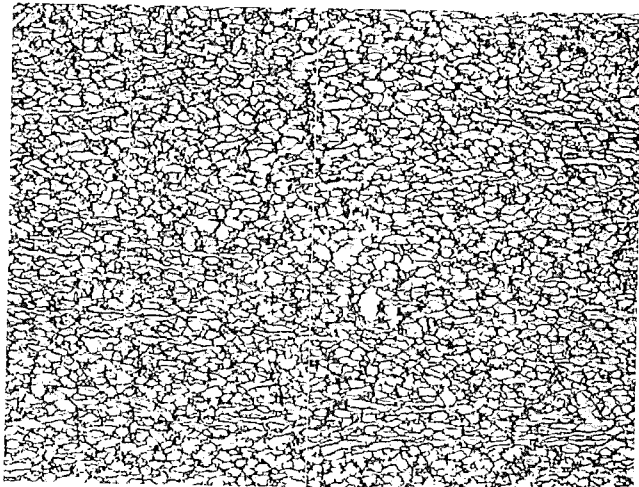
X 100

AUBERT & DUVAL  Usine de Pamiers		RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2849															
				PAGE 7/8 Seite															
CLIENT Customer AIRBUS Besteller	Cde CLIENT Your Order Bestel	Cde UP Our Order 31P2077 Werksbestell 005 007																	
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GAMME Process Arbeitsvorgang	SPECIFICATIONS Spezifizierung IGC04 33 121 ESS 203	COULEE Heat 8-52-0943 Schmelze																	
<table border="1"> <thead> <tr> <th>EXAMEN Inspections</th> <th>FAIT SUR Taken from</th> <th>NORME/C.C.T Specification</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 1 grosueur de grain grain size</td> <td><input type="checkbox"/> pièce / part rèplique</td> <td><input type="checkbox"/> A.S.T.M.E 112</td> </tr> <tr> <td><input type="checkbox"/> 2 Structure</td> <td><input type="checkbox"/> résilience impact test specimen</td> <td><input type="checkbox"/> NF A 04-102</td> </tr> <tr> <td><input type="checkbox"/> 3 % ferrite</td> <td><input type="checkbox"/> tête traction tensile test specimen</td> <td><input type="checkbox"/> MTP 25</td> </tr> <tr> <td><input checked="" type="checkbox"/> 4 Alpha %</td> <td><input checked="" type="checkbox"/> Echantillon</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T Specification	<input type="checkbox"/> 1 grosueur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> A.S.T.M.E 112	<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> NF A 04-102	<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> MTP 25	<input checked="" type="checkbox"/> 4 Alpha %	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>	CENTRE DIAMETRAL 			B1A X 100
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2																			
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OPERATEUR Operator Inspektor		Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs															
Name NOM Namen		CAZAUD L		KAMNA K															
DATE/Datum		04/05/09		N° de Bon FF4993															
SIGNATURE Unterschrift																			

CLIENT Customer AIRBUS Besteller	Cde CLIENT Your Order Bestel	Cde UP Our Order 31P2077 Werksbestell 005 007
PIECE Part RECEPTION 1/2 PRODUIT Stuck	PLAN Drawing Zeichnung	NUANCE Material TA6V STD Sorte
GAMME Process Arbeitsvorgang	SPECIFICATIONS Spezifizierung IGC04 33 121 ESS 203	COULEE Heat 8-52-0943 Schmelze

EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T Specification
<input type="checkbox"/> 1 grosueur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> A.S.T.M.E 112
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> NF A 04-102
<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> MTP 25
<input checked="" type="checkbox"/> 4 Alpha %	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>

BORD DIAMETRAL

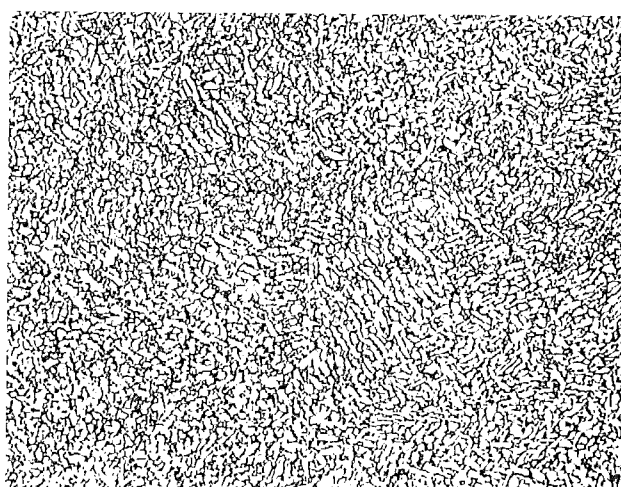


B1AX 100

RESULTATS / RESULTS

1	
2	
3	
4	DIAMETRAL = 65/75% AXIAL = 60/70%
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung
RESULTAT : Result Ergebnis <input type="checkbox"/>	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung

BORD AXIAL



B1AX 100

	OPERATEUR Operator Inspektor	Approbation Labo Lab Approval	CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs
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Name NOM	CAZAUD L	KAMNA K	N° de Bon
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DATE/Datum	04/05/09	04/05/09	FF4993
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SIGNATURE Unterschrift			
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CLIENT / Customer CONTRÔLE MATIERE	Cde CLIENT / Your Order	Cde UP / Our Order 31P2077005007
PIECE / Part 1/2 Produit-An+Ma+Mi+Transus	Plan Client :	NUANCE / Material TA6V/STD
GAMME / Process MPM003-5	SPECIFICATIONS 0	COULEE / Heat 8 52 0943

DETERMINATION DE LA COMPOSITION CHIMIQUE

RESULTATS SUR DOCUMENT CI-JOINT

Results joins on this document

Rapport d'essai N° 0905574

Test Report

Bon N° : FF4993

Pièce N°: T1A - B1A

Laboratoire ayant effectué l'essai :

AREVA CEZUS

Spécification client :

IGC 04 33 121 ind. D

Résultat <input checked="" type="checkbox"/> CONFORME Result <input type="checkbox"/> NON CONFORME	Fiche non conformité N° Non conformity report nr	FICHE ANNEXE Appended Form	CROQUIS ANNEXE Sketch Att.
---	---	-------------------------------	-------------------------------

	Validation		CONTRÔLES EXTERIEURS Inspections Authorities
NOM / Name	M. Hertereau		
Date	03/04/2009		
Signature			



CEZUS

LABORATOIRE D'ANALYSE
CHIMIQUE
Avenue Paul Girod
73400 UGINE

RAPPORT D'ESSAI

N° 0905574



ACCREDITATION
N° 1-0859
Portée disponible sur
www.cofrac.fr

Client : AUBERT & DUVAL
Mme HERTEREAU M
FORTECH - PAMIERIS

09100 PAMIERIS

Reçu le : 30/03/2009 Forme Produit : Massif Nuance : TA6V1 Rév :
N° Coulée : N° Commande : 09CEZ30 N° OF :
Echantillon : Produit : N° Lot : 8.52.0943
Provenance :

Commentaires :

Repères	B1A		Unité	Méthode	Spécification	
	T1A				Client -	Client +
Al	6.49	6.57	%	ICP	5.5	6.75
B	<10	<10	ppm	ICP		50
C	93	116	ppm	IR		800
Fe	2250	2307	ppm	ICP		3000
N	53	61	ppm	Conductimétrique		500
O	1928	1837	ppm	IR		2200
V	3.99	4.02	%	ICP	3.5	4.5
Y	<10	<10	ppm	ICP		10

Les incertitudes sont données par le document UAZ 922 (communiqué sur demande)

Approuvé par : D. Benzonelli
Chef du laboratoire

Le : 03/04/2009

Page 1/ 1

Certificat d'analyse chimique - Chemical analysis certificate H2-O2-N2

N° Certificat - Certificate #: 2009 AC 45464

AUBERT DUVAL



Usine de Pamiers
75, Bd de la Libération
09102 PAMIRS
FRANCE

Page 1 sur 1

N° de Bon - Internal order: *FF4993*

Article :

N° de Coulée - Heat #: *8-52-0943*

Méthode utilisée - Method of testing: *Extérieure*

RH402 THERM. CONDOC.

Norme - Standard: ASTME 1447-05

Date de l'analyse	N° Commande - Our Order #	AFNOR - Material	Nom du client - Customer	Forme de l'échantillon - Specimen shape	Libellé du produit - Part #
03/04/2009	31P2077005007	TA6V	CONTRÔLE METAL	Massif	1/2 Produit

Repère Echantillon - Specimen identification

	<i>H</i>	<i>N</i>	<i>O</i>
B1A	Non dosé	53 ppm	0,193 %

Repère Echantillon - Specimen identification


	<i>H</i>	<i>N</i>	<i>O</i>
T1A	Non dosé	61 ppm	0,184 %


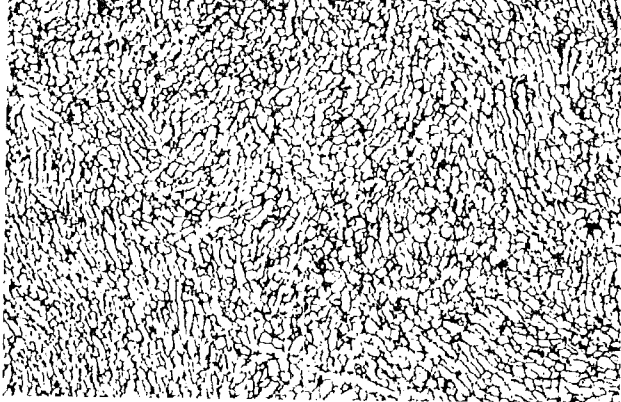
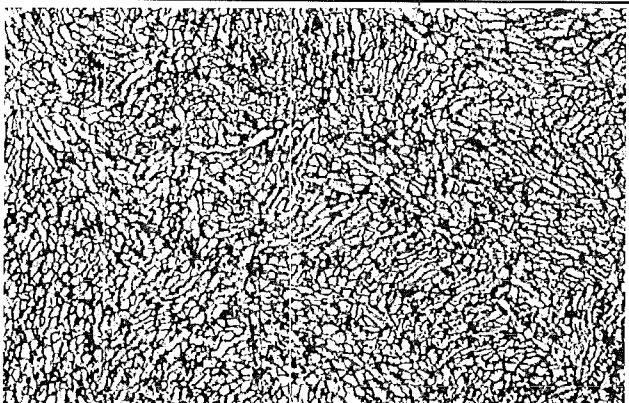
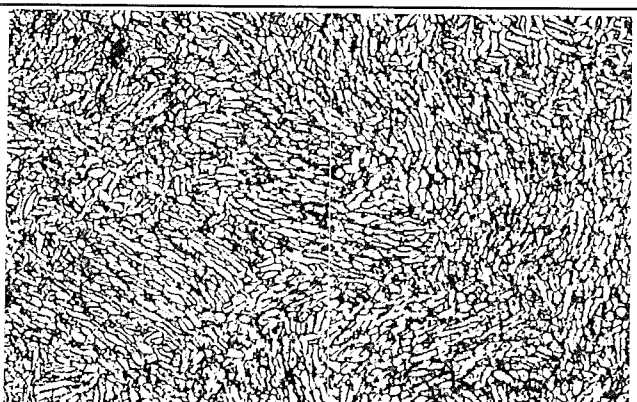

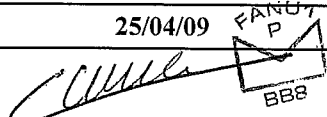
Repère Echantillon - Specimen identification

	<i>H</i>	<i>N</i>	<i>O</i>
1T	12 ppm	Non dosé	Non dosé

Repère Echantillon - Specimen identification


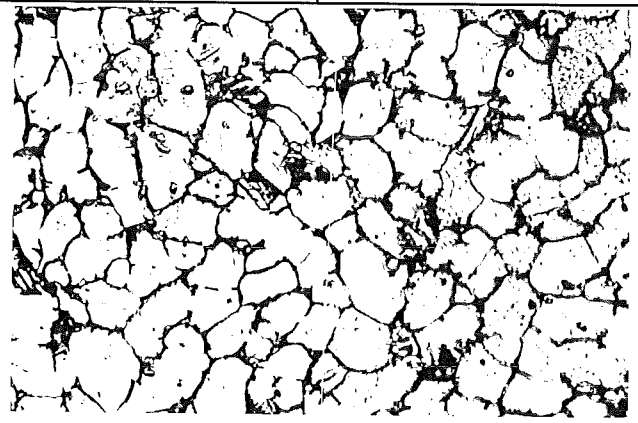
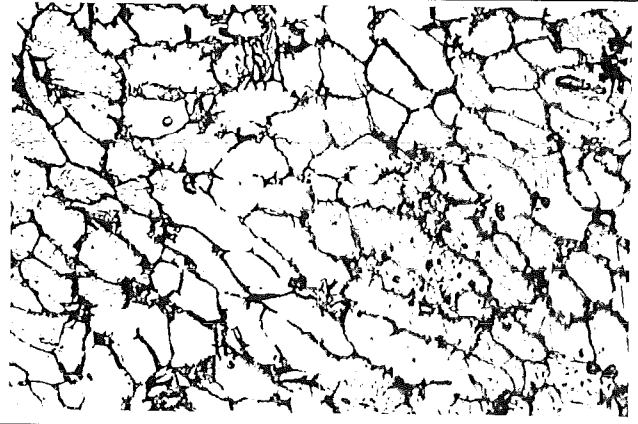



	<i>H</i>	<i>N</i>	<i>O</i>
2P	57 ppm	Non dosé	Non dosé


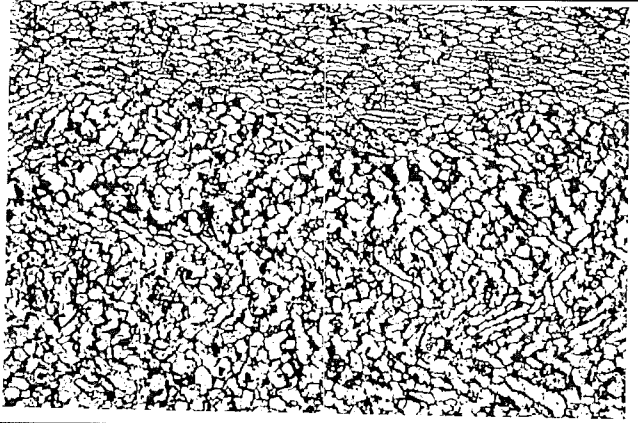
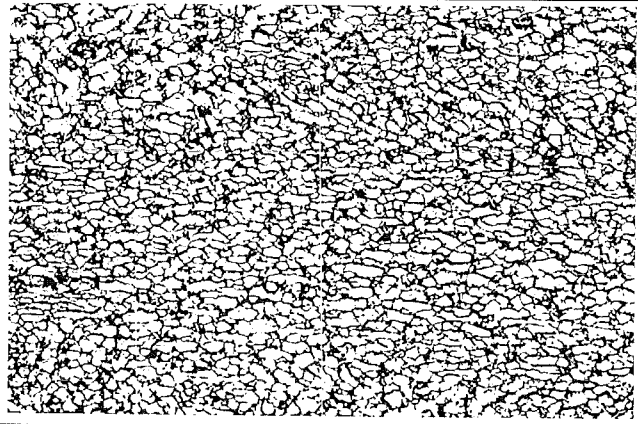
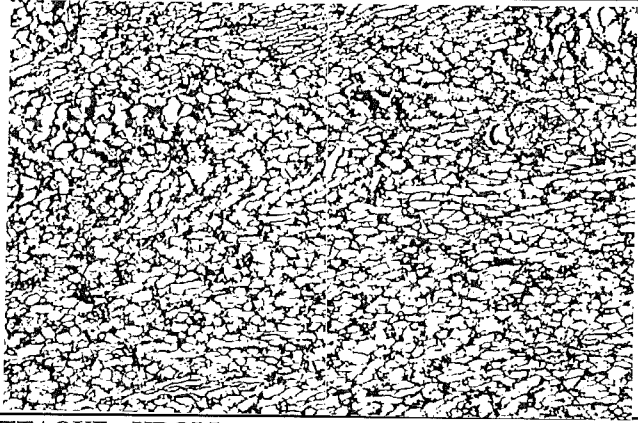



Spécifications	Numéro	Révision	<input checked="" type="checkbox"/> CONFORME <input type="checkbox"/> NON-CONFORME <i>Accordant to the specification Not accordant to the specification</i>
Norm - Name - Signature : 			A Pamiers, le mercredi 6 mai 2009


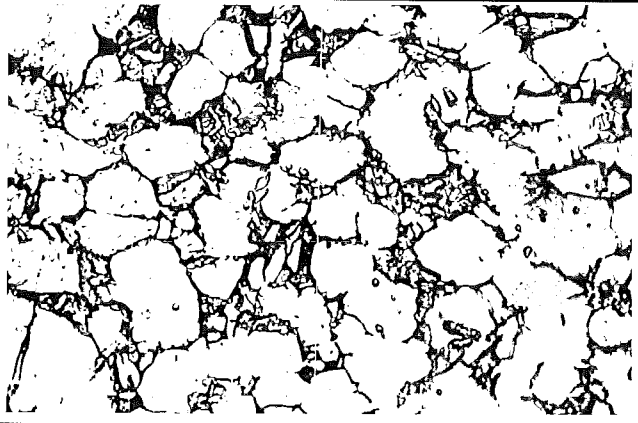
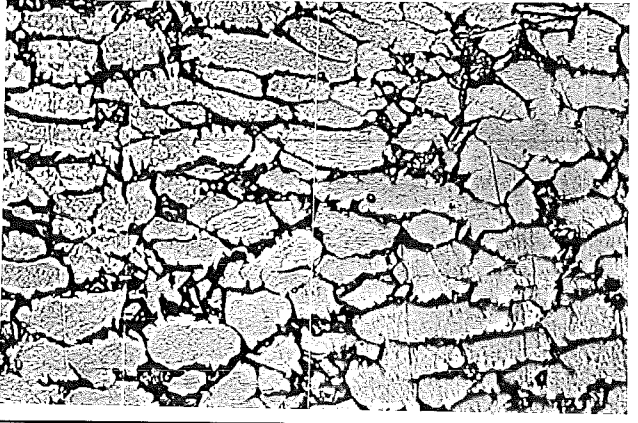
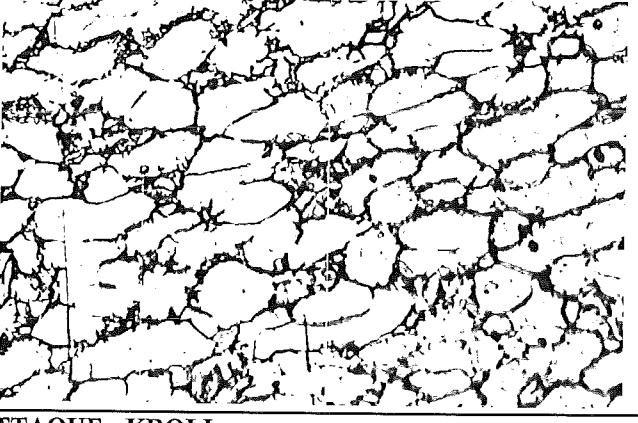


 AUBERT & DUVAL Usine de Pamiers			RAPPORT D ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865 PAGE 1/8 Seite	
CLIENT Customer Besteller			CONTRÔLE METAL		Cde CLIENT Your Order Bestell	
PIECE Part Stuck			RECEPTION 1/2 PRODUIT		Cde UP Our Order Werksbestell	
GAMME Process Arbeitsvorgang			PLAN Drawing Zeichnung		NUANCE Material Sorte	
EXAMEN Inspections			FAIT SUR Taken from		NORME/C.C.T. Specification	
<input type="checkbox"/> 1 grosseur de grain grain size			<input type="checkbox"/> pièce / part réplique		<input type="checkbox"/> NF A 04- 102	
<input type="checkbox"/> 2 Structure			<input type="checkbox"/> résilience impact test specimen		<input type="checkbox"/> A.S.T.M.E 112	
<input type="checkbox"/> 3 % ferrite			<input type="checkbox"/> tête traction tensile test specimen		<input type="checkbox"/> DMC 0250	
<input type="checkbox"/> 4 % Alpha			<input checked="" type="checkbox"/> Echantillon		<input type="checkbox"/>	
RESULTATS / RESULTS			REP: TIA centre TANGENTIEL			
1			X 100			
2			REP: TIA 1/2 rayon TANGENTIEL			
3			X 100			
4			REP: TIA bord TANGENTIEL			
RESULTAT : Result Ergebnis			<input checked="" type="checkbox"/>		CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung	
RESULTAT : Result Ergebnis			<input type="checkbox"/>		NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung	
FICHE DE NON CONFORMITE N° Non conformite report n°			X 100		ATTAQUE : KROLL	
OPERATEUR Operator Inspektor		Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs		
Name NOM Namen		CAZAUD L		KAMNA K		N° de Bon
DATE/Datum		25/04/09		25/04/09		FF4993
SIGNATURE Unterschrift						

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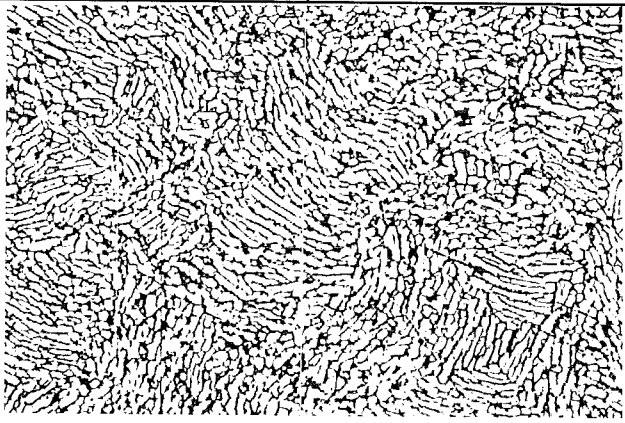
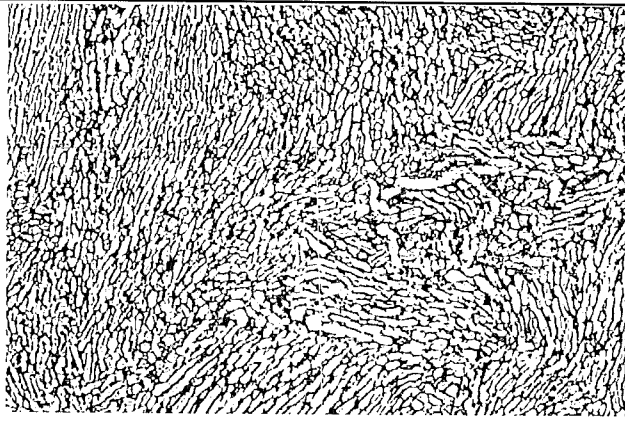
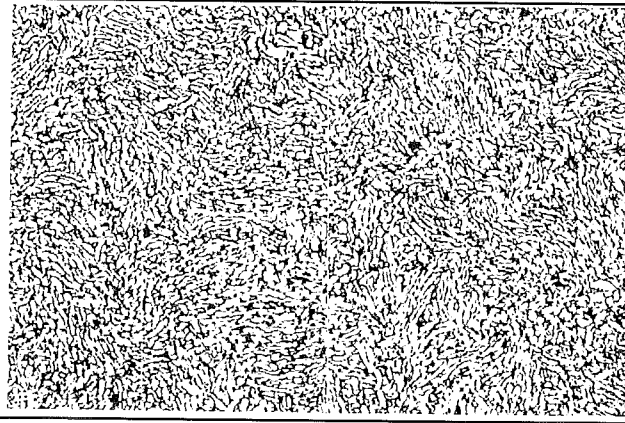

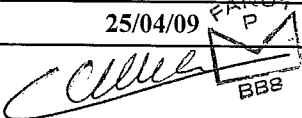
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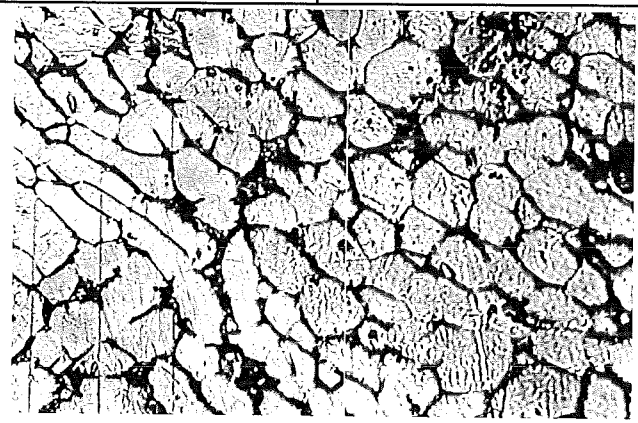
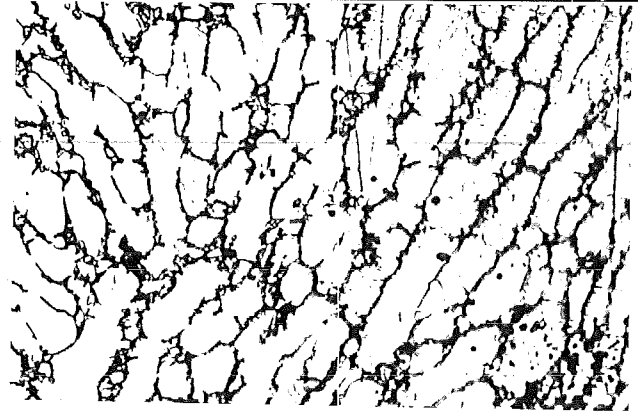
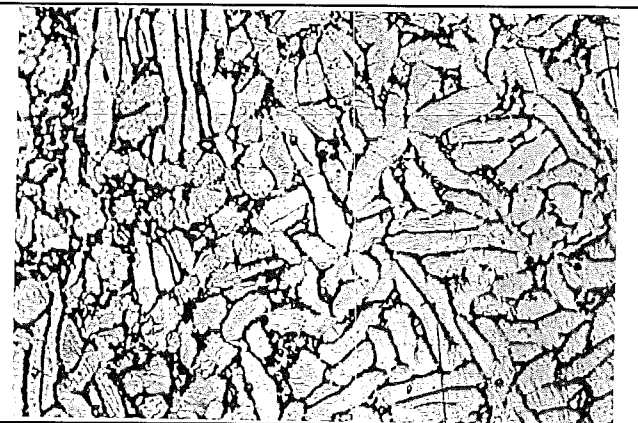


 AUBERT & DUVAL Usine de Pamiers			RAPPORT D ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865 PAGE 2/8 Seite 2/8
CLIENT Customer Besteller CONTRÔLE METAL			Cde CLIENT Your Order Bestell		Cde UP Our Order Werksbestell 31P2077 005 007
PIECE Part Stuck RECEPTION 1/2 PRODUIT			PLAN Drawing Zeichnung		NUANCE Material Sorte TA6V STD
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung IGC04 33 121		COULEE Heat Schmetze 8-52-0943
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification	REP: TIA centre TANGENTIEL X 500		
<input type="checkbox"/> 1 grosseur de grain grain size	<input type="checkbox"/> pièce / part réplique	<input type="checkbox"/> NF A 04- 102			
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> A.S.T.M.E 112			
<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> DMC 0250			
<input type="checkbox"/> 4 % Alpha	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>	REP: TIA 1/2 rayon TANGENTIEL X 500		
RESULTATS / RESULTS					
1					
2					
3			REP: TIA bord TANGENTIEL X 500		
4					
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung				
RESULTAT : Result Ergebnis <input type="checkbox"/>	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung				
FICHE DE NON CONFORMITE N° Non conformite report n°			ATTAQUE : KROLL		
OPERATEUR Operator Inspektor		Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs	
Name NOM CAZAUD L Namen		KAMNA K		N° de Bon	
DATE/Datum 25/04/09		25/04/09		FF4993	
SIGNATURE Unterschrift					


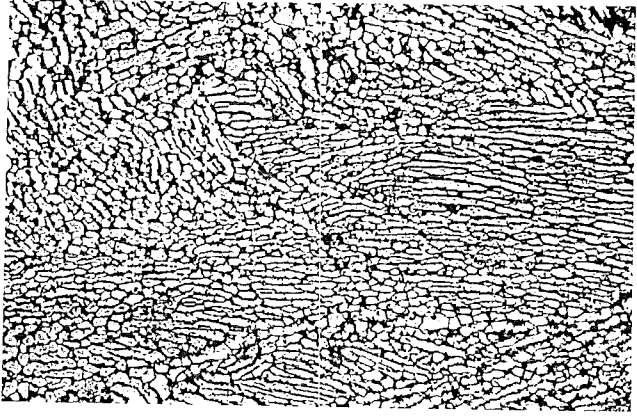
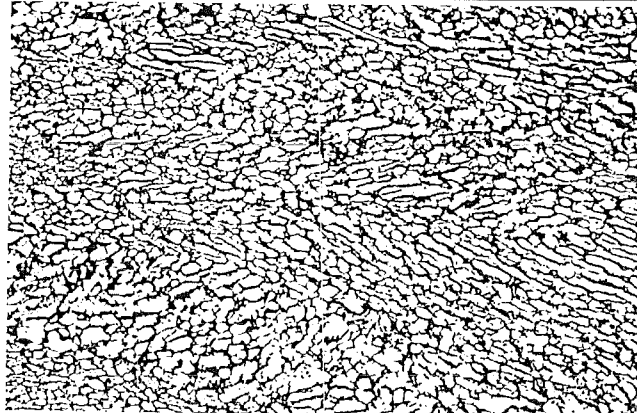
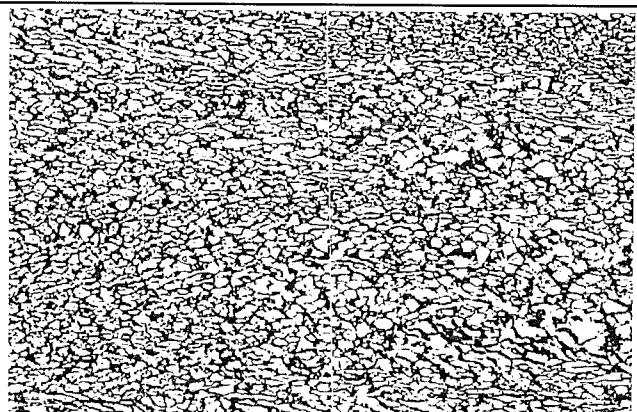
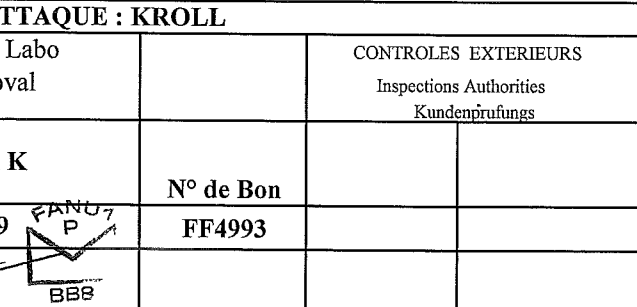
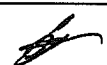
AUBERT & DUVAL  Usine de Pamiers			RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865															
					PAGE 3/8 Seite															
CLIENT Customer Besteller CONTRÔLE METAL			Cde CLIENT Your Order Bestell		Cde UP Our Order Werksbestell 31P2077 005 007															
PIECE Part Stuck RECEPTION 1/2 PRODUIT			PLAN Drawing Zeichnung		NUANCE Material Sorte TA6V STD															
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung IGC04 33 121		COULEE Heat Schmetze 8-52-0943															
<table border="1"> <thead> <tr> <th>EXAMEN Inspections</th> <th>FAIT SUR Taken from</th> <th>NORME/C.C.T. Specification</th> </tr> </thead> <tbody> <tr> <td> <input type="checkbox"/> 1 grosseur de grain grain size </td> <td> <input type="checkbox"/> pièce / part réplique </td> <td> <input type="checkbox"/> NF A 04- 102 </td> </tr> <tr> <td> <input type="checkbox"/> 2 Structure </td> <td> <input type="checkbox"/> résilience impact test specimen </td> <td> <input type="checkbox"/> A.S.T.M.E 112 </td> </tr> <tr> <td> <input type="checkbox"/> 3 % ferrite </td> <td> <input type="checkbox"/> tête traction tensile test specimen </td> <td> <input type="checkbox"/> DMC 0250 </td> </tr> <tr> <td> <input type="checkbox"/> 4 % Alpha </td> <td> <input checked="" type="checkbox"/> Echantillon </td> <td> <input type="checkbox"/> </td> </tr> </tbody> </table>			EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification	<input type="checkbox"/> 1 grosseur de grain grain size	<input type="checkbox"/> pièce / part réplique	<input type="checkbox"/> NF A 04- 102	<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> A.S.T.M.E 112	<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> DMC 0250	<input type="checkbox"/> 4 % Alpha	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>	REP: TIA centre RADIAL		
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification																		
<input type="checkbox"/> 1 grosseur de grain grain size	<input type="checkbox"/> pièce / part réplique	<input type="checkbox"/> NF A 04- 102																		
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RESULTATS / RESULTS																				
1			REP: TIA 1/2 rayon RADIAL																	
2																				
3			REP: TIA bord RADIAL																	
4																				
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>			CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung																	
RESULTAT : Result Ergebnis <input type="checkbox"/>			NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung																	
FICHE DE NON CONFORMITE N° Non conformite report n°			X 100 ATTAQUE : KROLL																	
		OPERATEUR Operator Inspektor	Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs															
Name NOM Namen		CAZAUD L	KAMNA K		N° de Bon															
DATE/Datum		25/04/09	25/04/09		FF4993															
SIGNATURE Unterschrift																				


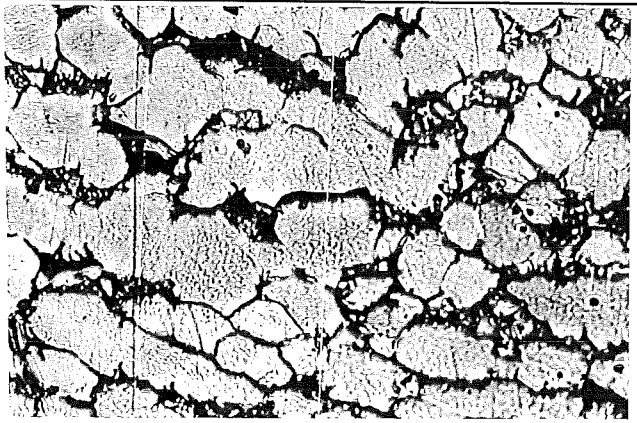
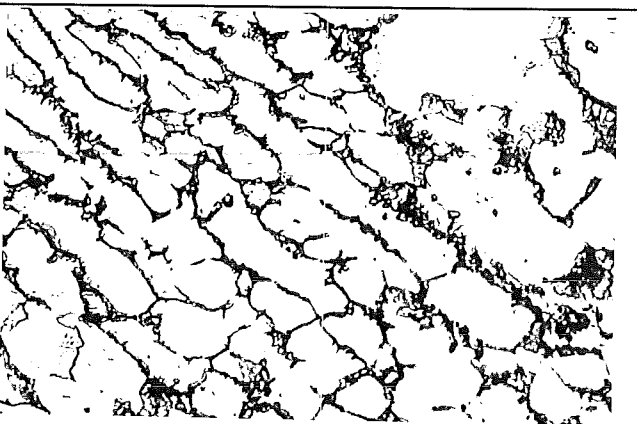
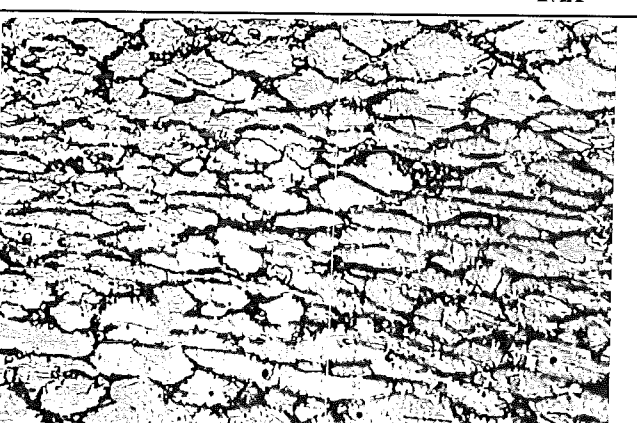
AUBERT & DUVAL  Usine de Pamiers			RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865
					PAGE 4/8 Seite
CLIENT Customer Besteller			Cde CLIENT Your Order Bestell		Cde UP Our Order Werksbestell
CONTRÔLE METAL					31P2077 005 007
PIECE Part Stuck			PLAN Drawing Zeichnung		NUANCE Material Sorte
RECEPTION 1/2 PRODUIT					TA6V STD
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung		COULEE Heat Schmetze
			IGC04 33 121		8-52-0943
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification	REP: TIA centre RADIAL X 500		
<input type="checkbox"/> 1 grosseur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> NF A 04- 102			
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> A.S.T.M.E 112			
<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> DMC 0250			
<input type="checkbox"/> 4 % Alpha	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>	REP: TIA 1/2 rayon RADIAL X 500		
RESULTATS / RESULTS					
1					
2					
3			REP: TIA bord RADIAL X 500		
4					
RESULTAT : Result Ergebnis	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung				
<input checked="" type="checkbox"/>					
RESULTAT : Result Ergebnis	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung				
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FICHE DE NON CONFORMITE N° Non conformite report n°			X 500		
OPERATEUR Operator Inspektor			Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs
Name NOM Namen			CAZAUD L		KAMNA K
DATE/Datum			25/04/09		N° de Bon FF4993
SIGNATURE Unterschrift					

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AUBERT & DUVAL  Usine de Pamiers			RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865 PAGE 5/8 Seite 5/8
CLIENT Customer Besteller CONTRÔLE METAL			Cde CLIENT Your Order Bestell Cde UP Our Order Werksbestell 31P2077 005 007		
PIECE Part Stuck RECEPTION 1/2 PRODUIT			PLAN Drawing Zeichnung		NUANCE Material Sorte TA6V STD
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung IGC04 33 121		COULEE Heat Schmetze 8-52-0943
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification	REP: BIA centre TANGENTIEL X 100		
<input type="checkbox"/> 1 grosseur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> NF A 04- 102			
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> A.S.T.M.E 112			
<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> DMC 0250			
<input type="checkbox"/> 4 % Alpha	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>	REP: BIA 1/2 rayon TANGENTIEL X 100		
RESULTATS / RESULTS					
1					
2					
3			REP: BIA bord TANGENTIEL X 100		
4					
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung				
RESULTAT : Result Ergebnis <input type="checkbox"/>	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung				
FICHE DE NON CONFORMITE N° Non conformite report n°					
OPERATEUR Operator Inspektor CAZAUD L		Approbation Labo Lab Approval KAMNA K		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs	
Name NOM Namen			N° de Bon		
DATE/Datum	25/04/09	25/04/09	FF4993		
SIGNATURE Unterschrift					

 AUBERT & DUVAL Usine de Pamiers			RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865 PAGE 6/8 Seite 6/8
CLIENT Customer Besteller <p style="text-align: center;">CONTRÔLE METAL</p>			Cde CLIENT Your Order Bestell 		Cde UP Our Order Werksbestell <p style="text-align: center;">31P2077 005 007</p>
PIECE Part Stuck <p style="text-align: center;">RECEPTION 1/2 PRODUIT</p>			PLAN Drawing Zeichnung 		NUANCE Material Sorte <p style="text-align: center;">TA6V STD</p>
GAMME Process Arbeitsvorgang 			SPECIFICATION Spezifizierung <p style="text-align: center;">IGC04 33 121</p>		COULEE Heat Schmetze <p style="text-align: center;">8-52-0943</p>
EXAMEN Inspections <input type="checkbox"/> 1 grosseur de grain grain size <input type="checkbox"/> 2 Structure <input type="checkbox"/> 3 % ferrite <input type="checkbox"/> 4 % Alpha	FAIT SUR Taken from pièce / part réplique <input type="checkbox"/> résilience impact test specimen <input type="checkbox"/> tête traction tensile test specimen <input checked="" type="checkbox"/> Echantillon	NORME/C.C.T. Specification <input type="checkbox"/> NF A 04- 102 <input type="checkbox"/> A.S.T.M.E 112 <input type="checkbox"/> DMC 0250 <input type="checkbox"/>	REP: BIA centre TANGENTIEL X 500		
RESULTATS / RESULTS			REP: BIA 1/2 rayon TANGENTIEL X 500		
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>			CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung		
RESULTAT : Result Ergebnis <input type="checkbox"/>			NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung		
FICHE DE NON CONFORMITE N° Non conformite report n°			X 500 ATTAQUE : KROLL		
OPERATEUR Operator Inspektor Name NOM Namen <p style="text-align: center;">CAZAUD L</p>		Approbation Labo Lab Approval Name NOM Namen <p style="text-align: center;">KAMNA K</p>		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs Name NOM Namen <p style="text-align: center;">N° de Bon FF4993</p>	
DATE/Datum <p style="text-align: center;">25/04/09</p>		25/04/09		FANU7 P BB8	
SIGNATURE Unterschrift 					

 AUBERT & DUVAL Usine de Pamiers			RAPPORT D'ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865
CLIENT Customer Bestseller			Cde CLIENT Your Order Bestell		PAGE Seite
RECEPTION 1/2 PRODUIT			PLAN Drawing Zeichnung		7/8
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung		NUANCE Material Sorte
			IGC04 33 121		TA6V STD
					COULEE Heat Schmetze
					8-52-0943
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification	 REP: BIA centre RADIAL		
<input type="checkbox"/> 1	pièce / part	<input type="checkbox"/> NF A 04- 102			
<input type="checkbox"/> 2	rèplique	<input type="checkbox"/> A.S.T.M.E 112			
<input type="checkbox"/> grosseur de grain grain size					
<input type="checkbox"/> Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> DMC 0250	 REP: BIA 1/2 rayon RADIAL		
<input type="checkbox"/> 3	tête traction tensile test specimen	<input type="checkbox"/> % Alpha			
<input type="checkbox"/> % ferrite	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>			
<input type="checkbox"/> 4					
RESULTATS / RESULTS			 REP: BIA bord RADIAL		
1					
2					
3					
4			 ATTAQUE : KROLL		
RESULTAT :					
Result Ergebnis <input checked="" type="checkbox"/>					
CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung					
RESULTAT : Result Ergebnis <input type="checkbox"/>			NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung		
FICHE DE NON CONFORMITE N° Non conformite report n°			X 100		
OPERATEUR Operator Inspektor		Approbation Labo Lab Approval		CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs	
Name NOM Namen		CAZAUD L		KAMNA K	
DATE/Datum		25/04/09		N° de Bon	
SIGNATURE Unterschrift				FF4993	

AUBERT & DUVAL  Usine de Pamiers			RAPPORT D ESSAI MICROGRAPHIQUE MICROGRAPHIC TEST REPORT		PV N° 09 LM 2865	
					PAGE Seite 8/8	
CLIENT Customer Besteller CONTRÔLE METAL			Cde CLIENT Your Order Bestell		Cde UP Our Order Werksbestell 31P2077 005 007	
PIECE Part Stuck RECEPTION 1/2 PRODUIT			PLAN Drawing Zeichnung		NUANCE Material Sorte TA6V STD	
GAMME Process Arbeitsvorgang			SPECIFICATION Spezifizierung IGC04 33 121		COULEE Heat Schmetze 8-52-0943	
EXAMEN Inspections	FAIT SUR Taken from	NORME/C.C.T. Specification				
<input type="checkbox"/> 1 grosneur de grain grain size	<input type="checkbox"/> pièce / part rèplique	<input type="checkbox"/> NF A 04- 102				
<input type="checkbox"/> 2 Structure	<input type="checkbox"/> résilience impact test specimen	<input type="checkbox"/> A.S.T.M.E 112				
<input type="checkbox"/> 3 % ferrite	<input type="checkbox"/> tête traction tensile test specimen	<input type="checkbox"/> DMC 0250				
<input type="checkbox"/> 4 % Alpha	<input checked="" type="checkbox"/> Echantillon	<input type="checkbox"/>				
RESULTATS / RESULTS						
1						
2						
3						
4						
3						
4						
3						
RESULTAT : Result Ergebnis <input checked="" type="checkbox"/>	CONFORME A LA SPECIFICATION According to the specification Entsprechend mit der spezifizierung				ATTAQUE : KROLL	
RESULTAT : Result Ergebnis <input type="checkbox"/>	NON CONFORME A LA SPECIFICATION Not accordant to the specification Nicht entsprechend mit der spezifizierung					
FICHE DE NON CONFORMITE N° Non conformite report n°						
	OPERATEUR Operator Inspektor	Approbation Labo Lab Approval			CONTROLES EXTERIEURS Inspections Authorities Kundenprüfungs	
Name NOM Namen	CAZAUD L	KAMNA K			N° de Bon	
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