



DONCASTERS
SETTAS

Certificat de réception/Inspection Certificate/Abnahmeprüfzeugnis		
EN 10204-3.1	C 12-125	V 1

Approvals:

AD 2000-W0/TRD 100 in accordance with TÜV SÜD
 Certified PED 97/23 EC Annex I § 4.3 (Not Body : 0036) Cert No 305/2007/MUC
 EN/AS 900:2003 Reg N° AC 0607.07
 EN/ISO 9001:2000 Cert N°1210029367 TMS

SETTAS S.A. certify that, apart from deviations/waivers noted in remarks, the below mentioned parts have been manufactured, tested and examined in accordance with the terms of the order applicable thereto. The requirements are fulfilled as per annex.

certifie que, à part les dérogations/tolérances notées en remarques, la totalité des pièces énumérées ci-dessous ont été fabriquées, testées et examinées en accord avec la commande qui s'y rapporte. Les conditions imposées sont satisfaites suivant annexes.

bestätigt, dass ausgenommen die in Anmerkung kommenden Abweichungen/Toleranzen die untersyehenden Teile gemass der Bestellung hergestellt und gefrueft wurden. Die gestellten Anforderungen sind erfüllt.

JUMET 11/06/2012

Signed:

Expert de l'usine / Inspector / Werksachverständiger

Bernard Magnus, Head of Quality and Customer Support

By delegation; Martin Safali, Quality Supervisor

Customer
INVESTA PUMPS PVT.LTD Plot No.762, Phase II, G.I.D.C Gundlav, Dist. Valsad Gujarat State 396 035 INDIA

Dispatch Number	Dispatch Date	Purchase Order Number	Materiel	Technical Spec
001675/0001	29/05/2012	IPPL/DON/306/12	Ti C3	ASTM B367
Marking			State of Delivery	
<input checked="" type="checkbox"/> Material	Ti C3	<input checked="" type="checkbox"/> Pattern Nr	<input checked="" type="checkbox"/> NDT: RX	<input type="checkbox"/> CHEM-MIL:
<input checked="" type="checkbox"/> Lot Number(=Heat)		<input checked="" type="checkbox"/> Settas logo S	<input checked="" type="checkbox"/> HIP: S.O:500M 75 11	<input checked="" type="checkbox"/> REPAIRED:
<input checked="" type="checkbox"/> Customers Symbol			<input type="checkbox"/> AIR/VAC ANNEAL:	<input checked="" type="checkbox"/> DIMENS: 25.05.12.03
<input type="checkbox"/> Inspectors Stamp:		<input type="checkbox"/> Class/Type:		

Part Number:	Qty Despatched 2
Impeller 3x4x8	
Lot Number: 12043	Qty Shipped: 2
	Serial: 12043-1
	Serial: 12043-2

Identification des pièces: un numéro de coulée en 5 chiffres (analyse et prop. méc annexées) + numéro individuel.
 Casting identification: lot/heat number in 5 digits (analysis and mech properties attache) + individual number
 Identifizierung der Teile: Chargennummer in 5 Ziffern (Analyse und mechanische Eigenschaften) + Einzelnummer

Remarks:

Authorization received to deliver the parts with a pre-machining hole of : diameter: 18 mm - depth : 35 mm

SETTAS S.A. - SOCIETE EUROPEENNE DES TECHNOLOGIES DU TITANE ET DES ALLIAGES SPECIAUX

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R.C. Charleroi 148 120 - Siège social: B 6040 JUMET, Allée Centrale, Zone Industrielle - Fortis 260-0019179-42 - IBAN BE 77 2600 7942 - T.V.A BE-428 252.723



IncoTest



CERTIFIED LABORATORY TEST REPORT

UKAS Testing Laboratory no. 0281



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Email: info@incotest.co.uk

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A Division of Special Metals Wiggin Limited

Registered in England at the above address under number 36721

CUSTOMER BY E-MAIL

Customer
SETTAS S.A.
ALLEE CENTRALE
ZONE INDUSTRIELLE
B 6040 JUMET
BELGIUM

FAO: Marie-Yvonne de Visch

Certificate No.	LT 0237133/01
Dated	25 04 2012
Page No.	1 of 1
Customer Order Number	27643
Date Received	18/04/2012
Laboratory Reference Number	G81365 3

Specification
B 367-06 (2006) ISS:/ ASTM GRADE C3

Description of Samples
Casting
Number of Samples 1

HEAT TREATMENT ON TEST PIECES

CHEMICAL COMPOSITION Weight % (except where stated ppm)

	C	Al	Fe	H ppm	N	O	Ti	V
12043-5	0.019	0.05	0.08	40	0.012	0.18	Balance	<0.01
Method of Analysis	LEC1	XRF	XRF	LEC3	LEC2	LEC2		XRF
MAX	0.1		0.25	150	0.05	0.4		
MIN								
	Others		Each	Total				
12043-5			<0.1	<0.4				
Method of Analysis			XRF	XRF				
MAX			0.1	0.4				
MIN								

OTHER REMARKS/ENDORSEMENTS

Tested in compliance with ISO/IEC 17025.
Test results meet Specification Requirements unless otherwise stated.
Casting serial number

DETAILS OF METHOD CODES

XRF - X-RAY FLUORESCENCE ANALYSIS
LEC2 - LECO TC436AR ANALYSER

LEC1 - LECO CS444 ANALYSER
LEC3 - ELTRA OHN2000 ANALYSER

End of test results

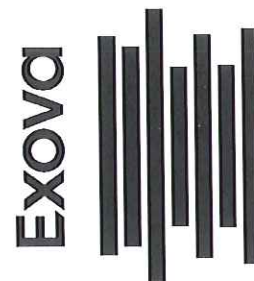
QS103 Rev01. 03/04

Signed

for and on behalf of IncoTest
Authorised Laboratory Signature
P.J. SCRIMSHIRE
Section Head, Materials Evaluation

Certified that the above mentioned specimens/parts/materials/systems have been tested/examined in accordance with the terms of the contract order applicable thereto. This Certificate does not relate to the standard or quality of manufacture of the item/material except as may be specified in test contract/order. This certificate shall not be reproduced, except in full without the written approval of the laboratory.

Date 25/04/2012



301 00

Test Certificate

Doncasters Settas SA
 Avenue Centrale
 Zone Industrielle
 Charleroi
 Jumet / Belgium
 B6040
 Attn: BRIGITTE REGNIER

REF No P 209326 : Issue 1
 Page 1 of 2
 Ord No 27761
 Date Tested 30/05/12
 Date Reported 04/06/12
 Date Received 28/05/12

Item - SAMPLE 12043-1
 P3

Specification - ASTM B367-09 grade C3

Tensile Test - ASTM E8/E8M-2009 (METHOD B)								
	Dimensions [mm]	Area [mm ²]	GL [mm]	Rp0.2 [N/mm ²]	Rm [N/mm ²]	A%	Z%	Comments
001:Longitudinal	6.00	28.27	24.00	396	533	20.5	41	Nil
Specification Minimum				380	450	12		
Specification Maximum								
Control Method B: Test speed to yield:0.005mm/mm/min Beyond yield: 0.48mm/mm/min								

Hardness Test - ASTM E 10 (2010)				
	Method	Load	Results	Comments
002:As Received Hardness	HEW 10/3000	3000kgf	168	Nil
Specification Minimum				
Specification Maximum			235	

Chemical Analysis - CHEM 01 - Fusion											
	H2 [%]										Comments
003:	0,0102										Nil
Sp Min											
Sp Max	0.015										
Reported result is based on single determination.											

Certificate Comments

THE ABOVE RESULTS MEET THE REQUIREMENTS OF THE SUPPLIED SPECIFICATION.
 This is an electronic copy. See original certificate for terms and conditions.

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Exova

301 00

Doncasters Settas SA
Avenue Centrale
SAMPLE 12043-1
P3

REF No
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Vizina

Tested by Plzen Lab

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Martin Vizina
For and on behalf of
Exova s.r.o.