



CERTIFICATE NUMBER
FDRY-T1606397

ISSUING OFFICE
London Engineering
Department

CERTIFICATE OF FOUNDRY FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of
FONDINOX S.P.A.

VIA MARCONI, 42/48, SERGNANO, Italy, 26010

attend its facilities as indicated in the ABS Milano Port port office survey report number 3279059 dated 02 February 2017 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Stainless Steel Casting components for marine applications

in accordance with the ABS Approval letter (Reference T1606397), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 01 February 2022 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 02 February 2017
EXPIRY DATE: 01 February 2022

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:



NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



FONDINOX S.P.A. (104969)
VIA MARCONI, 42/48,
P.I. 06757330151,
SERGNANO, CREMONA 26010,
ITALY

Reference: NE/NV T1606397
Project Number: 3842521
Certificate no: FDRY-1606397

ATTN: Mr. Carniti

Initial Stainless Steel Casting Facility and Process Approval ABS Approval of Fondinox S.P.A., Sergnano, Italy

We have the ABS plant survey report BO3279059 dated 02 February 2017, along with your submittals of 09 December 2016 and 08 February 2017 together with enclosures relative to the subject. With regard thereto we advise that Fondinox S.P.A., Sergnano, Italy is considered approved to produce machinery castings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Grade	Non ABS Grades – Austenitic, Super Austenitic, Duplex and Super Duplex Stainless Steels	
Melting Practice	IF	
Casting Practice	Sand Casting	Centrifugal Casting
Maximum Weight	7,000 kg	5,000 kg
Maximum Thickness	300 mm	250 mm
Heat treatment facility	In-house	
Application Examples	Valves, Pumps, Pipes, Rings, Cones, Flanges, Balls (with and without trunnions), Cylinders, Valve Components (Bodies, Seats), Nozzles	

Weld repairs and PWHT, if applicable, to ABS certified castings are to be approved prior to commencing the repair and carried out in accordance to ABS rules to the satisfaction of the attending Surveyor. Weld repairs are to be recorded on a map and included with the casting documentation.

The approval is valid for five years subject to annual endorsement survey and will expire on 01 February 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Our invoice to cover the costs of the technical review is subject to separate correspondence.



An electronic copy of the drawings, appropriately stamped, is available through the ABS Eagle Construct Engineering Manager (O2E) Web portal. If you need to contact ABS regarding this review please email Nina Edmonds at nedmonds@eagle.org or Nikolaos Vrellos at nvrellos@eagle.org.

Very truly yours

Stefano Penco
Vice President of Engineering
ABS Europe Ltd.

Nikolaos Vrellos
Principal Engineer, Materials
London Offshore Engineering Department

CC: ABS Milan
EC: ABS Houston Materials Dept.



Drawing List

Engineering Office:	London Engineering Department	
Submitter:	FONDINOX S.P.A. (104969)	
Drawing No	Revision No	Drawing Title
Correspondence	-	ABS London Plan Approval Request Form
Technical Guidance	2	-
Correspondence	-	Email 28-11-2016_History and Quote
Manufacturing Procedures for different grades	-	-
List of Alloys_From website	-	-
Attachments to the Technical Guidance	01	-
NDE Personnel Qualifications	-	-
Process Sand and Centrifugal Casting	-	-
Weld Repairs_Procedures and Welder Qualifications	-	-
Correspondence	-	Email 09-01-2016_Comments of Client to MMdb data
Fondinox PS BO3279059	-	Plant Survey Fondinox PS BO3279059