



CERTIFICATE NUMBER  
14-MMPS-CF&PAC-654

PORT OFFICE  
ABS MATERIALS HOUSTON

# CERTIFICATE OF CASTING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

## **ASO Siderurgica S.P.A.Unipersonale. Opitaletto,Italy.**

attend its facilities as indicated in the ABS Milan port office survey report number BO2736041 dated 13 October 2014, in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

### **Steel Castings for Marine Applications**

in accordance with the ABS Approval letter, ABS Rules, designated standards and ABS approved drawings. The approval is valid subject to adherence to relevant ABS Rules and survey requirements and annual facility endorsement by an ABS representative.

ISSUE DATE 13 Oct 2014 EXPIRATION DATE 12 Oct 2019

SIGNATURE

**V. BALASUBRAMANIAM  
PRINCIPAL ENGINEER,  
ABS MATERIALS, HOUSTON**



FIRST ANNUAL  
ENDORSEMENT

SECOND ANNUAL  
ENDORSEMENT

THIRD ANNUAL  
ENDORSEMENT

FOURTH ANNUAL  
ENDORSEMENT

Project #: 3279008; Task #: T1277803; Office Ref #: T1263484

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.



**ASO SIDERURGICA S.P.A. UNIPERSONALE (876154)**  
**VIA SERIOLA, 122**  
**OPITALETTO (BRESCIA), 25035**  
**ITALY**

**Reference: T1263484 NE/NV**  
**Project Number: 3371711**

ATTN: Ms. Laura Riboldi

**Renewal of Steel Plant & Casting Facility and Process Approval**  
**ABS Approval of ASO Siderurgica Spa Unipersonale, Italy**

We have the ABS plant survey report BO2736041 of 13 October 2014, your submittals of 06 October 2014 along with subsequent email enclosures relative to the subject. In regard thereto we advise that ASO Siderurgica Spa Unipersonale, Italy is considered approved to produce steel semi-finished products as outlined below, provided the *ABS Materials and Welding Rules Part 2 (2014)* are adhered to in all respects and all production and inspection are to the satisfaction of the local Surveyor.

|                             |   |
|-----------------------------|---|
| <b>Product</b>              | <b>: Ingots*</b>  |
| <b>Grades</b>               | <b>: Non ABS Grades</b><br><b>(Carbon, Carbon – Manganese, Medium Alloys &amp; Stainless Steel)</b> |
| <b>Maximum Weight</b>       | <b>: up to 100,000Kg (Steel Ingots), up to 50,000Kg (Stainless Steel Ingots)</b>                    |
| <b>Steel Making</b>         | <b>: EAF</b>  |
| <b>Deoxidation Practice</b> | <b>: Aluminium</b>  |
| <b>Fine Grain Practice</b>  | <b>: Aluminium</b>  |
| <b>Casting Process</b>      | <b>: Ingot Cast</b>   |

*\*Semi-finished products are to be supplied to ABS approved forging facilities*

A copy of the documentation appropriately stamped to indicate our review is being retained. ABS Houston Materials are hereby requested to issue the appropriate Certificate indicating the above details. The approval is valid for five years from the date of plant survey. Renewal of approval is to be sought by the subject facility prior to the five year expiry date. It is the responsibility of the facility to inform ABS of any changes in manufacturing parameters. Please find enclosed our invoice to cover the costs of the technical review.

If you need to contact ABS regarding this review, please call Nina Edmonds on +44 (0) 207 377 4494 or e-mail [nedmonds@eagle.org](mailto:nedmonds@eagle.org).

Very truly yours

Dimitrios G. Kostaras  
Vice President of Engineering  
ABS Europe Ltd.

Nikolaos Vrellos  
Senior Engineer, Materials  
London Offshore Engineering Department

CC: ABS Milan  
EC: ABS Houston Materials Dept



### Drawing List

|  |  |  |
|--|--|--|
| <b>Engineering Office:</b>             | London Engineering Department                |  |
| <b>Submitter:</b>                      | ASO SIDERURGICA S.P.A. UNIPERSONALE (876154) |  |
| <b>Drawing No</b>                      | <b>Revision No</b>                           | <b>Drawing Title</b>   |
| Correspondence                         | -  | INCOMING EMAIL 22-09-2014 From Laura Riboldi - ABS certifical renewal and extension for ASO siderurg |
| IT253113                               | -  | BV Certificate ISO 9001:2008   |
| Correspondence                         | -  | ABS Plan Approval Request Form   |
| Company Profile                        | -  | ASO Siderurgica S.p.A  |
| Statistical Data                       | -  | Chemical Analysis  |
| ASO Siderurgica SpA - Steel Mill Plant | -  | ABS Certificate Renewal - September 2014 - Information Requested                                     |
| Process docs incl statistics combined  | -  | Process Documents incl Statistics  |
| Plant Survey                           | -  | Plant Survey   |

**ABS EUROPE LTD.**

No. 1 FRYING PAN ALLEY, LONDON, ENGLAND, E1 7HR

TEL: 44-20-7247-3255

FAX: 44-20-7247-3053

Email: abs-eur@eagle.org

www.eagle.org