



TRAVI E PROFILATI DI PALLANZENO S.R.L. (438683)

**VIA DIAZ 248,
SAN ZENO NAVIGLIO 25010,
ITALY**

Reference: NE/NV T1576979
Project Number: 3823842
Certificate no: FDRY - 1576979

ATTN: Mr. Massimo Rolandi

**Initial Steel Casting Facility and Process Approval
ABS Approval of Travi E Profilati Di Pallanzeno, S.R.L.
San Zeno Naviglio, Italy**

We have the ABS plant survey report BO3205732 dated 18 October 2016, along with your submittals of 25 October and 17 November 2016 together with enclosures relative to the subject. With regard thereto we advise that Travi E Profilati Di Pallanzeno, S.R.L., San Zeno Naviglio, Italy is considered approved to produce hull and machinery castings to the requirements of *ABS Materials & Welding Rules Part 2 (2016)* 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 - Carbon, Carbon - Manganese & Alloy Steels
Melting Practice	: EAF
Casting Practice	: Continuous Casting
Maximum Weight	: 12000 kg
Maximum Thickness/Diameter	: 500 mm
Heat treatment facility	: N/A
Application Examples	: Semi-finished products: square and rectangular blooms, square billets and rounds

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 17 October 2021. 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.



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. Our invoice to cover the costs of the technical review is subject to separate correspondence.

Very truly yours

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

A handwritten signature in black ink, appearing to read 'N. Vrellos', is written over a horizontal line.

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:	TRAVI E PROFILATI DI PALLANZENO S.R.L. (438683)	
Drawing No	Revision No	Drawing Title
Correspondence	-	ABS London Plan Approval Request Form
BO3205732	-	Plant Survey
MMdb approval requirements Casting	-	MMdb requirements
Correspondence	-	Purchase order
Reference combined	-	Reference docs
Review combined	-	Review docs
Certificato T500	-	Thickness up to 500mm

CERTIFICATE OF FOUNDRY FACILITY AND PROCESS APPROVAL

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

TRAVI E PROFILATI DI PALLANZENO S.R.L.

VIA DIAZ 248, SAN ZENO NAVIGLIO, Italy, 25010

attend its facilities as indicated in the ABS Milano Port port office survey report number 3205732 dated 18 October 2016 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Steel Casting components for marine applications

in accordance with the ABS Approval letter (Reference T1576979), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 17 October 2021 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 18 October 2016

EXPIRY DATE: 17 October 2021

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.