



Marine &amp; Offshore

Certificate number: 17901/D0 BV

File number: MAT 53269 - 2006

Product code: 8154I

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## APPROVAL CERTIFICATE for MATERIALS

*This certificate is issued to*

**FONDERIE PENA**  
MERIGNAC CEDEX - FRANCE

*for the type of product*

**STEEL CASTINGS**

Carbon and stainless steel castings with maximum weight 600 kg

**Requirements:**

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 15 Dec 2026**

**For Bureau Veritas Marine & Offshore,**

At BV BORDEAUX, on 15 Dec 2021,

Gabriel ZIMMER



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## **THE SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION :**

Carbon and stainless steel castings with maximum weight capacity 600kg.  
Steelmaking by induction furnace. Sand casting. Heat treatment as applicable.

### **2. DOCUMENTS AND DRAWINGS :**

2.1 - As per following documentation issued by Fonderie PENA:

- "Approbation de la Fonderie PENA" dated 19 June 2006.
- "Informations requises pour l'approbation, Manuel assurance qualité et procédures qualité" dated September 2016.
- "Procédure réparation des pièces PRO-AQ-8.7-04 Indice 0" dated 16 July 2018.

### **3. TEST REPORTS :**

3.1 - Typical tested grades are :

- CF3M and CF8M according to ASTM A351 for stainless steels.
- WCB according to ASTM A216 for carbon steels.

3.2 - As per following reports issued by Fonderie PENA:

- Certificat Analyse Report N°412, dated 03 May 2006.
- Certificat Analyse Report N°947, dated 22 September 2005.
- Certificat Analyse Report N°410, dated 03 May 2006.
- Certificat Analyse Report N°942, dated 14 September 2005.
- Certificat Analyse Report N°648 and N°649, dated 20 July 2006.
- Certificat Analyse Report N°309 and N°271, dated 20 July 2021.
- Reports N°2021 BRB 142 E dated 04 October 2021 and N° 2021 BRB 076 F dated 09 June 2021.

### **4. APPLICATION / LIMITATION :**

As per Bureau Veritas Rules for Classification.

Steel grade specification is to be as per Bureau Veritas Materials Rules for Classification of Steel Ships and/or specification mentioned on examined drawings, as applicable.

### **5. PRODUCTION SURVEY REQUIREMENTS :**

5.1 - The carbon and stainless steel castings are to be supplied by Fonderie PENA in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

### **6. MARKING OF PRODUCT :**

As per Bureau Veritas Rules for Classification.

### **7. OTHERS :**

This certificate replaces approvals from No.17901/A0 BV to No.17901/C0 BV.

\*\*\* END OF CERTIFICATE \*\*\*