



Marine & Offshore

Certificate number: 19619/C0 BV

File number: MAT 13557-2007

Product code: 8153I

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

FORGITAL ITALY SPA
Seghe Di Velo (VI) - ITALY

for the type of product

STEEL FORGINGS

Carbon, carbon-manganese, alloy and austenitic stainless steel forgings of maximum weight 30 tons.

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 is a renewal of certificate N° 19619/B0 BV expiring on 05/09/2017

This certificate will expire on: 05 Sep 2022

For Bureau Veritas Marine & Offshore,

At BV VENEZIA, on 05 Sep 2017,

Sandro BRUSEGAN



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. 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, carbon-manganese, alloy and austenitic stainless steel forgings with maximum weight 30 tons.

Typical grades are : ASTM A694 F65, SA.765 Gr.IV and ASTM A350 LF2 for carbon and carbon-manganese steels.
34CrNiMo6, SA.336M Gr.F1, 18CrNiMo7-6 and 42CrMo4 for alloy steels.
SA.182.F51 and ASTM A182 F55 for austenitic stainless steels.

Forgings are normalised, annealed or quenched and tempered as applicable.

2. DOCUMENTS AND DRAWINGS :

As per following documentation issued by Forgital Italy Spa:

- "Company profile" dated 06 March 2006.
- "Certifications & Qualifications" dated 18 January 2007.
- "Quality management system" dated 14 November 2006.

3. TEST REPORTS :

As per following documentation issued by Forgital Italy Spa:

- Quality control plans N°3205/05-F51 and N°3205/05-SA765 dated 05 September 2005.
- Inspection test certificates N°4080/2006 dated 08 June 2006; N°6202/2006 dated 09 August 2006; N°6250/2006 dated 01 August 2006; N°6102/2006 dated 07 August 2006; N°7783/2006 dated 02 October 2006; N° 4955/06 dated 11 July 2006; N°618/2007 dated 27 February 2007 and N° 9558/2006 dated 15 November 2006.

4. APPLICATION / LIMITATION :

Chemical composition, tensile properties and Charpy-V notch test requirements are to be as per Bureau Veritas Rules and/or alternative specification mentioned on reviewed drawings, as applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

The steel forgings are to be supplied by Forgital Italy Spa in compliance with the type and the requirements described in this certificate.

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

BV product certificate is required.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

This certificate replaces approvals from No.19619/A0 BV to No.19619/B0 BV.

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