



Marine & Offshore

Certificate number: 62450/A0 BV

File number: MAT127541-2020

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

LAKSHMI RING TRAVELLERS (COIMBATORE) PRIVATE LIMITED
Coimbatore - INDIA

for the type of product

STEEL CASTINGS

Carbon steel castings with maximum weight 930kg
Low Alloy steel castings with maximum weight 813kg

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: 29 Sep 2025

For Bureau Veritas Marine & Offshore,
At BV MUMBAI (BOMBAY), on 29 Sep 2020,
Rajan VARDHAN



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 steel castings with maximum weight 930kg.
Low alloy steel castings with maximum weight 813kg.

Steelmaking in Induction Furnace. Sand steel casting. Heat treatment as applicable.

2. DOCUMENTS AND DRAWINGS :

2.1- Documents issued by Lakshmi Ring Travellers (Coimbatore) Private Limited :

- "Part 1", "Part 2" submitted on 11 July 2020.
- "Documentation for BV Marine Type approval program as per NR480" submitted on September 2020.

3. TEST REPORTS :

3.1- Documents issued by Lakshmi Ring Travellers (Coimbatore) Private Limited :

- "Evidence 9a. Carbon Steel Inspection Reports" dated 26 August 2020.
- "Evidence 9b. Low Alloy Steel Inspection Reports" dated 26 August 2020.

3.2-Typical tested grades are :

- LCC according to ASTM A352 QT for Carbon Steel
- 4D according to ASTM A487 N-QT for Low Alloy Steel

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification. Chemical composition, tensile properties and charpy V-notch test requirements are to be as per Bureau Veritas Rules NR216 and/or alternative specification mentioned on reviewed drawings, as applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1 - The steel castings are to be supplied by Lakshmi Ring Travellers (Coimbatore) Private Limited 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 :

*** END OF CERTIFICATE ***