



Marine & Offshore

Certificate number: 70134/A0 BV

File number: MAT 75869-2022

Product code: 8154I

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

www.veristar.com

## APPROVAL CERTIFICATE for MATERIALS

*This certificate is issued to*

**Gujarat Intrux Limited**

Rajkot - INDIA

*for the type of product*

**STEEL CASTINGS**

Carbon, carbon-manganese steel and austenitic stainless steel castings.

**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: 03 Apr 2028**

**For Bureau Veritas Marine & Offshore,**

At BV MUMBAI (BOMBAY), on 03 Apr 2023,

Nitin NALAWADE

***This certificate was created electronically and is valid without signature***



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 :**

Typical castings are indented for pressure vessel and non-welded component in general.

Carbon, carbon-manganese steels castings of maximum weight 1000Kg.

Austenitic stainless steel castings of maximum weight 1000Kg.

Melting by Induction furnace. Sand mould making. Heat treatment as applicable.

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

2.1 - Documents issued by Gujarat Intrux Limited:

- "Company and manufacturing process data" submitted on February 2023.

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

3.1 - Typical tested grades are:

- WCB according to ASTM A216 for carbon, carbon-manganese steel castings.

- CF8M according to ASTM A351 according to EN 10283 for austenitic stainless steel castings.

3.2 - Documents issued by Gujarat Intrux Limited:

- Test reports issued for castings made in grade WCB heat No.W2442, No.W2444 and submitted on November 2022.

- Test reports issued for castings made in grade CF8M heat No.W2446, No.W2448 and submitted on November 2022.

3.3 - Documents issued by Unitech laboratories services:

- Test reports issued for castings made in grade WCB heat No.W2442, No.W2444 and submitted on November 2022.

- Test reports issued for castings made in grade CF8M heat No.W2446, No.W2448 and submitted on November 2022.

### **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 documents and drawings, as applicable.

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

5.1 - The steel castings are to be supplied by Gujarat Intrux 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 :**

Nil.

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