



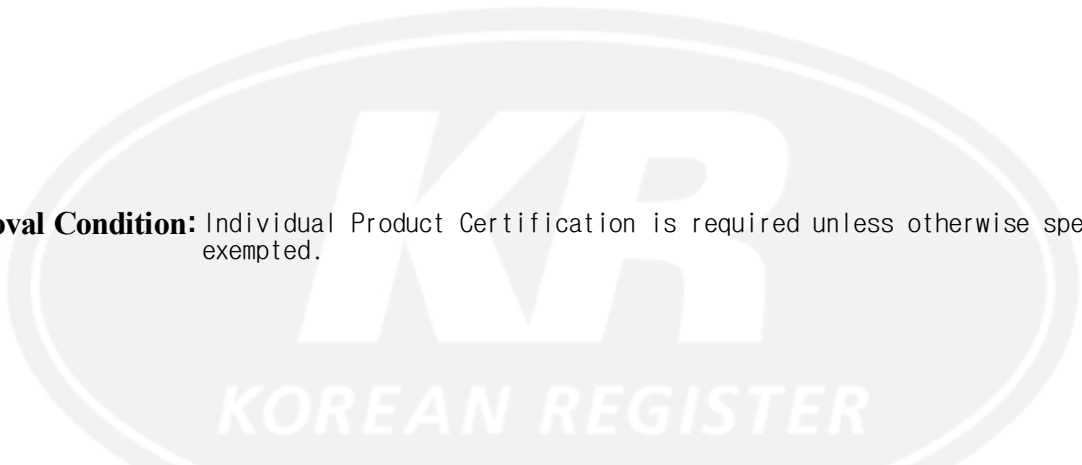
APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

Certificate No. : HMB30831-SC001 **Initial Approval** : 13th October, 2014
Product : Iron Castings
Manufacturer : M. JUERGENSEN GmbH & Co KG
Markschell 3, D-24966 Sorup, Germany

Product Description: Grey Iron Castings

- Grade : EN-GJL- acc. to EN 1561 or equivalent
- Melting process : Electric Induction furnace
- Casting process : Centrifugal casting
- Mass : Max. 2 000 kg / piece

Approval Condition: Individual Product Certification is required unless otherwise specifically exempted.



THIS IS TO CERTIFY that the manufacturing process for the above mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturer and Type Approved Equipment".

Pt. 2, Ch. 1, Art. 506 of the Rules for Classification of Steel Ships.

This Certificate is valid until 12th October, 2024

Issued at Busan, Korea on 9th January, 2020



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME20001734094) and certificate No.(HMB30831-SC001).



KOREAN REGISTER OF SHIPPING

*General Manager of
Marine & Ocean Equipment Team*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.