



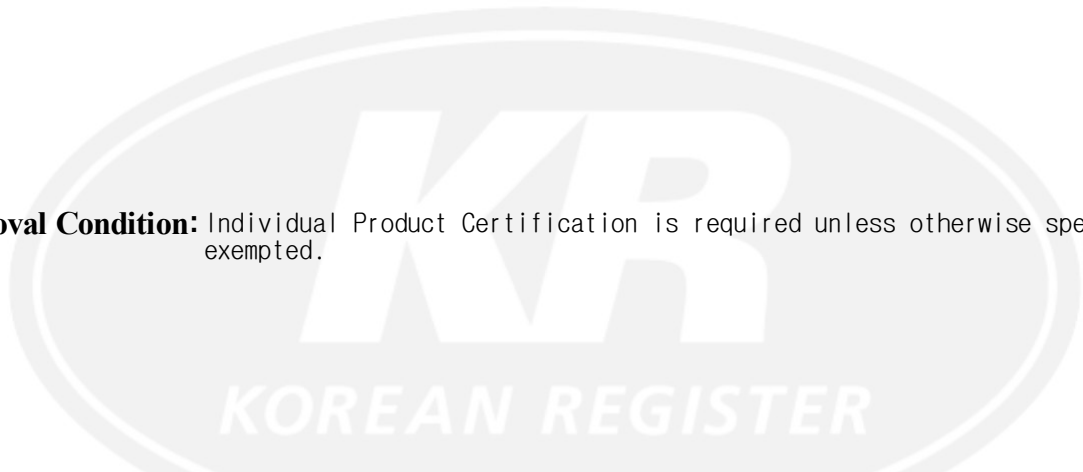
# APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

**Certificate No.** : HMB31297-SC001                      **Initial Approval** : 7th May, 2014  
**Product** : Iron Castings  
**Manufacturer** : HegerGuss GmbH  
Donnersbergstraße 48, 67677 Enkenbach-Alsenborn, Germany

**Product Description:** Grey and Spheroidal or Nodular Graphite Iron Castings

- Grade : EN-GJL- & EN-GJS- acc. to EN 1561 & 1563  
or equivalent grade
- Melting furnace : Electric induction furnace
- Casting process : Sand casting
- Mass : Max. 20 000 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 & 507 of the Rules for Classification of Steel Ships.

This Certificate is valid until 6th May, 2024

Issued at Busan, Korea on 11th June, 2019



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(ME19014674319) and certificate No.(HMB31297-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.