



APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

Certificate No. : CPH06119-SF001 **Initial Approval** : 4th January, 2017
Product : Steel Forgings
Manufacturer : Scana Steel Bjerneborg AB
Kristinehamnsvagen 2, SE-680 71 Bjerneborg, Sweden

Product Description: Carbon and Low Alloy Steel Forgings

- Grade : RSF, RSF-A or equivalent grade
- Steel making : Electric arc furnace
- Casting process : Ingot casting
- Forging process : Open die forging
- Mass of forgings : Max. 50 000 kg
- Main products : Propeller shafts, rudder pintles, etc.

Approval Condition: Individual Product Certification is required.

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, Sec. 6, Art. 601 of the Rules for Classification of Steel Ships.

This Certificate is valid until 3rd January, 2022

Issued at Busan, Korea on 4th January, 2017



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.