



CERTIFICATE NUMBER
FOR-T1550017-1

ISSUING OFFICE
GCD Materials

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

DONGBEI SPECIAL STEEL GROUP CO., LTD.

NO. 18 SOUTH HEBIN ROAD, DENGSHAHE COASTAL INDUSTRIAL
ZONE, JINZHOU DISTRICT, DALIAN, China

attend its facilities as indicated in the ABS CN Dalian Branch Port port office survey report number 2827865 dated 30 July 2016 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Steel Forging components for marine applications

in accordance with the ABS Approval letter (Reference T1766461), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 29 July 2021 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 30 July 2016

EXPIRY DATE: 29 July 2021

FIRST ANNUAL
ENDORSEMENT: 07 August 2018

SECOND ANNUAL
ENDORSEMENT: 07 August 2018

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standard. It is issued solely for the use of ABS, its committee, its clients or other authorized entities. Any significant changes to the abovementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-ABS/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (270).

AB258(0110)



Task - T1766461
Forge Facility Approval - Extension
Certificate No. FOR-T1550017-1
(Revision for the Name Change)

Attention: Mr. Liu Yan-Lin, Dongbei Special Steel Group Co., Ltd. (WCN 446399)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture forgings for hull/machinery components as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (July 2018)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date.

Additionally, we have received your declaration stating that the materials used in the system indicated in the submittal are free from asbestos.

For any clarifications, contact Ms. Lin Li-Hong at +86-21-23270994, llin@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President

Electronically Signed by: Satya Meruva



Documents List

Drawing No.	Rev. No.	Title	Status
Application	-	Application for the Certificate Revision of Name Change	Filed by ABS for Reference Only
Certificate	-	QA Certificate	Filed by ABS for Reference Only
Declaration 1	-	No 130 Declaration of Conformity Asbestos Free	Filed by ABS for Reference Only
Declaration 2	-	Declaration of No Change	Filed by ABS for Reference Only

Electronic copies of the documents, appropriately stamped are available through the ABS Eagle Construct Engineering Manager (O2E), Web portal.

Process/Product Approval

Grade	ABS & Non-ABS Grades - Carbon-Manganese and Low Alloy Steels
Melting Practice	Electric Arc Furnace
Casting Practice	Ingot Casting
Manufacturing Practice	Open Die Forging
Maximum Weight	53,500 Kg
Maximum Thick./Dia.	NA
Heat Treatment Facility	In-house
Product Examples	Propeller Shaft, Intermediate Shaft, Stock, Pintle, Piston, Cross Pin, etc.

Note: Weld repair is generally not permitted, unless specially approved by the ABS Engineering Office.