



CERTIFICATE NUMBER

FDRY-T1800300

ISSUING OFFICE

GCD Materials

CERTIFICATE OF FOUNDRY FACILITY AND PROCESS APPROVAL

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

SHANXI TAIGANG STAINLESS STEEL CO., LTD

NO. 2 JIANCAOPING, China, 030003

attend its facilities as indicated in the ABS CN Qingdao Branch Port port office survey report number 3542820 dated 23 August 2018 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Steel Casting components for marine applications

in accordance with the ABS Approval letter (Reference T1800300), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 04 November 2023 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland

Chief Metallurgist, ABS

ISSUE DATE: 23 August 2018

EXPIRY DATE: 04 November 2023

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:

NOTE: This certificate evidences compliance with one or more of the Rules, Codes, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committee, its clients or other authorized entities. Any significant changes to the aforementioned 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-AS/ 5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

AB256(0110)



Task - T1800300
Foundry Facility Approval - Renewal
Certificate No. FDRY-T1800300

Attention: Mr. Zhang Hong-Yi, Shanxi Taigang Stainless Steel Co., Ltd. (WCN209107)

The documents shown in the attached list are reviewed in accordance with the applicable requirements of the following and the facility is considered approved to manufacture castings for hull and 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
Declaration of Conformity	-	Declaration of Conformity	Filed by ABS for Reference Only
Non-asbestos Declaration	-	Non-asbestos Declaration	Filed by ABS for Reference Only
ISO Certificate	-	ISO Certificate	Filed by ABS for Reference Only
Calibration Records	-	Calibration Records	Filed by ABS for Reference Only
Statistics	-	Statistics	Reviewed

Electronic copies of the documents, appropriately stamped, are available in the ABS My Eagle Portal through Engineering Manager.

Process/Product Approval

Grade	Non-ABS Grade – Carbon, Carbon-Manganese & Low Alloy Steels
Melting Practice	Electric Arc Furnace
Casting Practice	Ingot Casting
Maximum Weight	16,000 Kg
Maximum Thickness	NA
Heat treatment facility	NA
Application Examples	Ingots

Note: Repair by welding is generally not permitted.



CERTIFICATE NUMBER
FOR-T1800301

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
SHANXI TAIGANG STAINLESS STEEL CO., LTD
NO. 2 JIANCAOPING, China, 030003

attend its facilities as indicated in the ABS CN Qingdao Branch Port port office survey report number 3542820 dated 23 August 2018 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 T1800301), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 04 November 2023 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 23 August 2018

EXPIRY DATE: 04 November 2023

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
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AB256(0110)



Task - T1800301
Forge Facility Approval - Renewal
Certificate No. FOR-T1800301

Attention: Mr. Zhang Hong-Yi, Shanxi Taigang Stainless Steel Co., Ltd. (WCN209107)

The documents shown in the attached list are reviewed in accordance with the applicable requirements of the following and the facility is considered approved to manufacture steel forgings for 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

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Calibration Records	-	Calibration Records	Filed by ABS for Reference Only
Statistics	-	Statistics	Reviewed

Electronic copies of the documents, appropriately stamped, are available in the ABS My Eagle Portal through Engineering Manager.

Process/Product Approval

Grade	Non-ABS Grade – Carbon, Carbon-Manganese and Low Alloy Steels
Melting Practice	ABS Approved Sources
Casting Practice	ABS Approved Sources
Manufacturing Practice	Drop Forging, Radial Forging
Maximum Weight	12,000 Kg
Maximum Thickness	400 mm
Heat treatment facility	In-house
Product Examples	Shafts

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