



CERTIFICATE NUMBER
FOR-T2393250

ISSUING OFFICE
Houston Materials

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

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

BAHNTECHNIK BRAND-ERBISDORF GMBH

BERTHELSDORFER STR. 8, D-09618 BRAND-ERBISDORF, Germany

attend its facilities as indicated in the ABS Hamburg Port port office survey report number 5774189 dated 03 April 2023 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 T2393250), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 02 May 2028 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 03 April 2023

EXPIRY DATE: 02 May 2028

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

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 standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Task – T2362400, T2393250
Forge Facility Approval – Renewal
Certificate No. FOR-T2393250

Attention: Mr. Ulrich Baermann, Bahntechnik Brand-Erbisdorf GmbH (WCN: 495079)

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 (2023)

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.

For any clarifications, contact James Oehrle at +1-281-877-6148, joehrle@eagle.org.

Very truly yours,
Wei-Biao (Bill) Shi
Vice President

Electronically Signed by: Satya Meruva

Documents List

Drawing No.	Rev. No.	Title	Status
Correspondence	-	Request for Approval	Correspondence
2023_02_02 Information for Renewal of Approval	-	Client Letter	Reviewed
Bahntechnik MTRs	-	Sample MTRs	Reviewed
Cert. No. DE011129-1	-	ISO 9001:2015	Filed by ABS for Reference Only
PO 6300085904_Signed Application	-	Supporting Information	Filed by ABS for Reference Only
FOR-T1749562	-	Previous Letter and Certificate	Filed by ABS for Reference Only

Electronic copies of the documents, appropriately stamped, are available in the ABS Client Portal.

Process/Product Approval

Grade	: Non-ABS: Carbon & Low Alloy Steels
Melting Practice	: ABS Approved sources
Casting Practice	: ABS Approved sources
Forging Process	: Open Die Forging, Long Forging, Reing Rolling
Maximum Weight	: 3,500 kg
Maximum Thickness/Diameter	: 1,600 mm
Heat Treatment Facility	: In-House
Application Examples	: Forged shaft/axles, rolled and forged rings

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

Include: Manufacturer Approval Certificate (FOR-T2393250)