



CERTIFICATE NUMBER
FOR-0452669

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

HYUNDAI INTEGRATED FORGING CO.LTD

46, YULCHONSANDAN 5-RO, SUNCHEON-SI, Korea, Republic of

attend its facilities as indicated in the ABS Mokpo Port port office survey report number 7327762 dated 26 November 2025 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 WO0452669), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 06 December 2030 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 26 November 2025

EXPIRY DATE: 06 December 2030

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.

Documents List

Drawing No.	Rev. No.	Title	Status
3494 (Forge)	-	CERTIFICATE OF MATERIAL	Filed by ABS for Reference Only
0211401 (Forge)	-	CERTIFICATE OF MATERIAL	Filed by ABS for Reference Only
A 0722 (Forge)	-	ISO 9001-2015	Filed by ABS for Reference Only
FOR-T2065937	-	Previous ABS Forge Cert	Filed by ABS for Reference Only
HIQA-OD251103-001 (Forge)	-	Written Confirmation	Reviewed
HMD8321 (Forge)	-	CERTIFICATE OF MATERIAL	Filed by ABS for Reference Only
HMDS508 (Forge)	-	CERTIFICATE OF MATERIAL	Filed by ABS for Reference Only
SH8184 (Forge)	-	CERTIFICATE OF MATERIAL	Filed by ABS for Reference Only

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

Process/Product Approval

Certificate No. FOR-00T2292531-1

Grade	Non-ABS Grades: - Carbon, C-Mn & Low Alloy Steels
Melting Practice	Electric Arc Furnace
Casting Practice	Ingot Casting
Forging Process	Open Die Forging; Ring Rolling
Maximum Weight	95,000 kg
Maximum Thickness/Diameter	2,700 mm
Heat Treatment Facility	In-house
Product Examples	Crank throw, Crankshaft, Intermediate Shaft, Propeller Shaft, Rudder Stock, Pintle, Cylinder Cover, Piston Crown, Piston Rod, Crosshead, Connecting Rod, etc.

Notes:

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



Work Order - WO0452669
Forge Facility Approval - Renewal
Certificate No. FOR-0452669

Attention: HYUNDAI INTEGRATED FORGING CO.LTD (WCN: 401425)

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 scope of approval.

- ABS Rules for Materials and Welding Part 2 (2025)

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

Refer to attachments, Process/Product Approval; Manufacturer Approval Certificate (FOR-0452669).

For any clarifications, contact James Oehrle at JOehrle@eagle.org.

Very truly yours,

Gareth Burton
Senior Vice President of Engineering

Electronically Signed by: Satya Meruva