NIPPON KAIJI KYOKAI

Approval No. **ST357CF**
Certificate No. **TA261017E**

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

Doosan Enerbility Co., Ltd.

22, Doosanvolvo-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea

has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Part 2 of the Society's "Guidance for the Approval of Materials and Equipment for Marine Use".

MATERIALS	:	**Carbon Steels** **Alloy Steels**
PROCESS	:	**Casting / Forging / Heat Treatment**
REMARK	:	**This approval covers the manufacture of Semi-built-up Crank Throws in accordance with 6.1.13-2, Chapter 6, Part K of the NK Rules, using the Die and Bend Forging process. (Applicable to Carbon Steels.)**

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This Certificate is valid from 7 July 2026 until 6 July 2031.
Issued at Tokyo on 7 September 2026.

M. IRISAWA
General Manager
Material and Equipment Dept.

ClassNK