# NIPPON KAIJI KYOKAI

*Certificate Number :* 24TI015

*Date :* 31 May 2024

# *CERTIFICATE FOR APPROVAL OF MANUFACTURERS*

*THIS IS TO CERTIFY THAT the works of*

**KAWASAKI HEAVY INDUSTRIES, LTD.**
**ENERGY SOLUTION & MARINE ENGINEERING COMPANY**
**KOBE WORKS and HARIMA WORKS**
**Hyogo, Japan**

*have been surveyed by* NIPPON KAIJI KYOKAI *for approval of the Quality Assurance System as well as Production procedures/facilities, Workmanship and Inspection/testing methods under the Rules for Approval of Manufacturers and found to be competent to produce*

**Diesel Engines, Steam Turbines and Turbochargers**

*to be installed/fitted in ships classed or intended for classification with the society.*
*This certificate is valid until* **17 June 2025** *subject to periodical surveillance.*

*Approval Number :* **94CLQA35**

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

*Note : This certificate is subject to the conditions as per attached sheet.*
*This certificate was rewritten due to part of the welding work was transferred to the Harima Plant.*

ClassNK

2016. 1. 1000

# NIPPON KAIJI KYOKAI

*Attachment to*
*Certificate Number* 24TI015

***Name of Manufacturer :***

KAWASAKI HEAVY INDUSTRIES, LTD.
ENERGY SOLUTION & MARINE ENGINEERING COMPANY
KOBE WORKS and HARIMA WORKS

***Address of Manufacturer :***

KOBE WORKS
1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe, Hyogo, Japan

HARIMA WORKS
8, Niijima, Harima-cho, Kako-gun, Hyogo, Japan

***Articles and Approval Conditions of Products :***

| | | | |
|---|---|---|---|
| ・2 Cycle Diesel Engines: | up to | 110,000 PS, | 980 mm bore |
| ・4 Cycle Diesel Engines: | up to | 30,000 PS, | 580 mm bore |
| ・Main Steam Turbines: | up to | 50,000 PS | |
| ・Accelerators and Decelerators: | up to | 100,000 PS | |
| ・Exhaust Gas Turbochargers: | up to | 50 $m^3/s$ | |
| ・High Elastic Rubber Couplings: | up to | 60,000 kgf・m | |

***Related Documents :***

・Quality Manual ( ESM-D1X001-R3 of 1 May 2024 )

・NK Assessment Record ( No. 24KB-00406 )

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