Certificate No: LR26130097TA
Issue Date: 06/06/2026
Expiry Date: 05/06/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**HD HYUNDAI HEAVY INDUSTRIES CO., LTD**
Address	1000, Bangeojinsunhwando-ro, Dong-gu, Ulsan, 44032, South Korea
Type	Internal Combustion Engines
Description	4-stroke, vertical, direct injection, single acting and trunk piston type
Trade Name	HiMSEN H21C
Application	Marine main propulsion and auxiliary power drives Suitable for operation with diesel oil and heavy fuel oil up to 700 cSt at 50 °C
Specified Standard	Part 5, Chapter 2 of Lloyd's Register's Rules and Regulations for the Classification of Ships (July 2025)
Ratings	Performance rating:- Number of cylinders : 5, 6, 7, 8 and 9 in-line Rated power (kW/cyl.) : 240 / 240 Engine speed (rpm) : 900/ 1000 Maximum firing pressure (bar) : 240 / 240 Mean indicated pressure (bar) : 30.50 / 28.42
Other Conditions	1) Where the engine is intended to be supplied for a ship built or being built to LR class, mandatory requirements shown in paragraph 4 of LR's Machinery General Design Appraisal Document No. TSO/25-049427, Issue No. 0 dated 06

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Jong-Yong Ha

Lead Specialist to Lloyd's Register Asia
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Type Approval Certificate

June 2026 are to be satisfied.

2) Type approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

3) If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

4) (in case of applications other than Marine) The application of this Type Approval Certificate will be limited to the relevant scope of the specified standards and acceptance thereof by the local authorities.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 15/40114

The Design Appraisal Document LR26130097TA-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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