Certificate No: LR2689022TA
Issue Date: 10/02/2026
Expiry Date: 09/02/2031

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	**Everllence**
Address	Teglholmsgade 41, c/o MAN DIESEL & TURBO FILIAL AF MAN, Copenhagen, 8059, Denmark
Type	Internal Combustion Engines
Description	Four stroke, turbocharged and intercooled, trunk piston, in-line type internal combustion engine
Trade Name	L21/31 & L21/31DF-M, stroke 310 mm
Application	As main propulsion and auxiliary drives on ships and offshore installation classed or intended for classification with Lloyd's Register.
Specified Standard	Rules and Regulations for the Classification of Ships, July 2025, Part 5, Chapters 2, 12 and 14 Rules and Regulations for the Classification of Ships using Gases or other Low-flashpoint Fuels, July 2025 Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, July 2025
Ratings	Max. firing pressure : 210 bar Fuel type: Marine Diesel Application: Main Propulsion Number of cylinders: 5 - 9

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Torsten Hacker

Engineering - Machinery - Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

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Type Approval Certificate

MCR: 215 kW/cyl. at 1000rpm

Fuel type: Marine Diesel
Application: Auxiliary
Number of cylinders: 5
MCR: 200 kW/cyl. at 900/1000rpm
Number of cylinders: 6-9
MCR: 220 kW/cyl. at 900/1000rpm

Fuel type: Methanol
Application: Auxiliary
Number of cylinders: 5
MCR: 200 kW/cyl. at 900/1000rpm
Number of cylinders: 6-9
MCR: 220 kW/cyl. at 900/1000rpm

Other Conditions

Not intended as emergency source of electrical power

This Type Approval relates to the mechanical aspects of the engine only. Control aspects, and other Classification requirements shall be subject to separate Type Approvals, or to ship specific plan appraisal.

To ensure the validity of this certificate, production facilities are to be inspected by an LR Surveyor who shall verify that the engines conform to the approval documentation referenced in the Machinery General Design Appraisal Document associated with this certificate and that they are covered by a Everllence licensing agreement.

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Type Approval Certificate

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2328675TA

The Design Appraisal Document TSO-24-022310-M and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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