Certificate No: LR26400109TA
Issue Date: 29/09/2026
Expiry Date: 28/09/2031

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 WinGD Ltd.

Address Schützenstrasse 3, Winterthur, 8400, Switzerland

Type Internal Combustion Engines

Description Single acting, reversible, turbocharged, electronically controlled, uniflow scavenged 2-stroke, low speed, crosshead Dual Fuel (LNG) engine

Trade Name X62DF-S1.0/-S2.0

Application Marine Main Propulsion (Single & Multi engine installations)

Specified Standard
Rules and Regulations for the Classification of Ships, July 2025
Rules and Regulations for the Classification of Ships Using Gas 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 Continuous Rating: 1,714 kW/cyl.
Rated Speed: 105 rpm
Max. Firing Pressure: 210 bar
Mean Effective Pressure: 14.45 bar
Mean Indicated Pressure: 15.35 bar

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Jenny Wilson
Engineering - Machinery Principal 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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Other Conditions

1. Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR.

2. 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.

3. This scope of this Type Approval is limited to the mechanical and piping aspects within the engine boundary and excludes ancillaries and engine control system. The 110% load point was not tested in dual-fuel mode according to IACS UR M78.

4. To ensure validity of this certificate, production facilities from the WinGD licensees are to be inspected by an LR Surveyor, who shall verify that each engine is manufactured under Special Survey and conform to the approval documentation referenced in the Machinery General Design Appraisal associated.

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.

The Design Appraisal Document LR26400109TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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