Certificate No: LR2003536TA
Issue Date: 15/05/2020
Expiry Date: 17/04/2025

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	**MTU Friedrichshafen GmbH**
Address	Maybachplatz 1, Friedrichshafen, 88045, Germany
Type	Internal Combustion Engines
Description	Reciprocating high speed internal combustion oil engine, non reversible, direct injection based on a Common Rail (CR) fuel injection system, 4 SCSA, turbocharged, V-type
Trade Name	MTU Series 4000 Mx3 Workboat - 8, 12 and 16 Cylinder
Application	As prime movers for multi-engine plants and auxiliary drives on ships classed or intended for classification with Lloyd's Register
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, 2019
Ratings	Max. power (MCR) : 140 kW / cyl. at 1800 rpm Max. firing pressure : 180 bar MIP : 22.2 bar
Other Conditions	Not intended as single emergency source of electrical power

Downloaded Copy

Olaf Schmidt

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

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR2003536TA
Issue Date: 15/05/2020
Expiry Date: 17/04/2025

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.

The Design Appraisal Document No. ENS 25255-10, Issue No. 5 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.