Certificate No: LR2004595TA
Issue Date: 02/07/2020
Expiry Date: 10/06/2025

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 16V 4000 M90
Application	As prime movers for multi-engine plants and auxiliary drives on ships classed or intended for classification with Lloyd's Register where the International Convention for the Safety of Life at Sea requirements are not applicable (SOLAS, Chapter I, Part A, Regulation 3)
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Special Service Craft, 2020 Lloyd's Register Rules and Regulations for the Classification of Naval Ships, 2020

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Olaf Schmidt

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A member of the Lloyd's Register Group

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Ratings	Power(MCR)	: 2480kW at 2100 rpm
	Max.firing pressure	: 180 bar
	MIP	: 24.8 bar
Other Conditions	Not intended as single emergency source of electrical power	

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. HTS/ENS 32769-15, Issue No. 1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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