Certificate No: LR25214683TA
Issue Date: 20/08/2025
Expiry Date: 31/05/2030

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	**Caterpillar Inc (Indiana)**
Address	3701, South Street, Lafayette, Indiana, 47905, United States
Place of Production	Auto-Maskin AS Hvamsvingen 22, Skjetten, 2013, Norway
Type	Control, Alarm and Protection System
Description	Electronics Engine Control, Alarm and Protection System for C4.4 and C7.1 ACERT, C9.3, C18, C32 and MaK Engines
Trade Name	Medium Engine Alarm and Protection System
Application	Control devices: As listed on their individual certificates DCU210: For use in environmental category ENV4 as defined in Lloyd's Register Test Specification No. 1, 2015. Sensors: For use in environmental category ENV4 as defined in Lloyd's Register Test Specification No. 1, 2013.
Specified Standard	Lloyd's Register Test Specification Number 1, 2019 and as identified on

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Yongchang Cai

Electrical & Control - Senior Specialist to
Lloyd's Register Canada Limited
A member of the Lloyd's Register group

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Type Approval Certificate

individual certificates.

Other Conditions

Validity of this Type Approval is conditional upon a valid Lloyd's Register Software Conformity Assessment Certificates and Type Approval certificates as listed.

The complete installation covering the various Hardware and Software configurations is subject to a separate plan appraisal according to applicable Rules and Regulations when installed on LR classed vessels.

Radiated and conducted emissions meet the requirement for equipment in general power distribution zones, or as listed on their certificates.

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

Previous Version: *LR2004226TA*

The Design Appraisal Document LR25214683TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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