Certificate No: LR2002166TA
Issue Date: 04/02/2020
Expiry Date: 12/08/2024

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	**DOOSAN INFRACORE CO LTD**
Address	(HWASOO-DONG), 489 INJOONG-RO DONG-GU, Incheon, 22502, Korea
Type	Diesel Engines
Description	4-stroke, direct injection, single acting and In-line type trunk piston diesel engine.
Trade Name	AD158TIF, AD158TIS, AD222TIF, AD222TIS
Application	Marine emergency generator drives Suitable for operation with marine diesel oil
Specified Standard	Part 5, Chapter 2 of Lloyd's Register's Rules and Regulations for the Classification of Ships (July 2019)
Other Conditions	Where the engine is intended to be supplied for a ship built or being built to LR class, conditions of approval in paragraph 2 of LR Busan Design Support Office Marine Design Appraisal Document No.BTS/ENG/M142715 (Issue No. 1) dated 04 February 2020 are to be satisfied. Limitations; 1) Type Approval does not eliminate the need for normal inspection survey procedures required by the Rules and Regulation. 2) If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels

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to which the amended standards apply.
3) (in case of applications other than Marine) The application of this Type Approval Certificate will be limited to the relevant scope of the Specified standards and acceptance thereof by the local authorities.

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

The Design Appraisal Document No. LR2002166TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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