Certificate No: LR2002981TA
Issue Date: 08/04/2020
Expiry Date: 07/04/2025

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	**Tangqi(Shanghai) Industrial Co., Ltd.**
Address	Room 102, Building 5, No. 1005, Jiuxin Road, Songjiang District, Shanghai, China
Place of Production	Tangqi(Shanghai) Industrial Co., Ltd. Room 102, Building 5, No. 1005, Jiuxin Road, Songjiang District, Shanghai, China
Type	Emission Monitoring System
Description	Continuous Emission Monitoring System Analyzer cabinet (IP44) with gas analyser URA-209, Sample system with GAS 222.15-MA type of sample gas probe(220V AC, 50/60Hz, +180oC, self-regulated)
Trade Name	TMC-7100
Application	Marine applications for use in environmental categories ENV1 and ENV2 in the "General Power Distribution Zones" as defined in LR Type Approval System Test Specification No. 1 March 2019.
Ratings	Power Supply: AC 230V, 50/60Hz Component Sensor type Measuring Range SO2 NDIR 0~50ppm(Min.) 0~500ppm(Max.)

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Ke Lin Zhang

Senior Specialist to Lloyd's Register
Classification Society (China) Co Ltd
A member of the Lloyd's Register group

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CO2	NDIR	0~5 vol.% (Min.) 0~15 vol.% (Max.)

Other Conditions

1. The system typeapproval is limited to continuous monitoring of SOx emissions, as defined in IMOResolution MEPC.259 (68).
5. In justified caseswhere the CO2 concentration is reduced by the EGC unit, the CO2 concentrationcan be measured at the EGC unit inlet, provided that the correctness of such amethodology can be clearly demonstrated.
6. Software has been tested toan extent required to verify correct functions during type approval testing.

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 Classification Society (China) Co Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2002981TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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