Certificate No: LR2562302TA
Issue Date: 12/11/2024
Expiry Date: 11/11/2029

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	**Tangshan Worldwide Ship Equipment Co., Ltd**
Address	No.1 Xiangjiang Avenue Luannan Zuidong Industry Zoon, Tangshan, 063000, China
Type	Washwater Monitoring System
Description	WD-B-WMS type of Washwater Monitoring System
Trade Name	WD-B-WMS
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 July 2024.
Specified Standard	Manufacture's specification.
Ratings	PAH sensor type: UviLux(fluorescence technology), Monitoring range: 0.01-200µg/L Turbidity sensor type: KM-STU200, monitoring range: 0-1000FNU pH sensor type: KM-SPH100, monitoring range: 0-14 Temperature monitoring range: -10°-50°C Control panel: AC220V, 50/60Hz, Ingress Protection: IP 65
Other Conditions	1. The system type approval is limited to continuous monitoring of pH, oil content (as measured by PAH levels), and turbidity and temperature, as

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Electrical & Control Technical Manager - Africa, Middle East & India to Lloyd's Register Marine and Offshore India LLP

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Type Approval Certificate

defined in IMO Resolution MEPC.340 (77).
2. The system shall be installed, calibrated and operated in compliance with the manufacturer's instructions.
3. Data recording and processing device is not covered by this certificate.
4. Software has been tested to an 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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document TSO-24-024350-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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