Certificate No: LR22499903TA
Issue Date: 24/11/2022
Expiry Date: 23/11/2027

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	**EDIT AUTOMATION**
Address	15-17 AKTI KOUNTOURIOTOU, PIRAEUS, 185 34, Greece
Type	Alarm And Monitoring Systems
Description	The SHaPoLi ECO 8 EDIT-99/141 is designed to comply with the SHaPoLi approach as outlined in IACS Rec. No. 172 (June 2022) section 6.6 as applicable. It is arranged independent of the engine automation system and provides alarm, monitoring, indication and recording. The complete SHaPoLi ECO 8 system comprises of: - EDIT-99/141 Alarm Monitoring System, covered by this certificate, and - third-party shaft power sensor that continuous measure the propeller shaft(s) power, torque and RPM.
Trade Name	SHaPoLi ECO 8 EDIT-99/141
Application	Marine applications in environmental categories ENV2 and ENV3 as defined in Lloyd's Register Type Approval System Test Specification Number 1, December 2021.
Specified Standard	a. IACS Rec. No. 172 (June 2022) EEXI Implementation Guidelines b. LR Rules and Regulations for Classification of Ships (July 2022)

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Other Conditions

Use of SHaPoLi ECO 8 system on LR classed vessels subject to EEXI overridable power limitation do in general require acceptance by the vessel's Flag Administration.

Documentation for the actual application is to be submitted by the manufacturer of the application system case-by-case.

If the subject system shall be applied in SHaPoLi arrangements with technical means for power limitation as specified in MEPC.335(76), such use is subject to case-by-case approval.

The cable installation has to be carried out according to the Rules for Classification of Ships with respect to routing, fixing, protection, penetration of the decks/ bulkheads and the use of cables pipes.

Shaft power sensor that continuous measure the propeller shaft(s) power, torque and RPM in SHaPoLi-configuration is not covered by the subject TAC.

Ex-certification is not covered by this certificate. Application in hazardous area is subject to case-by-case approval according to class requirements.

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 Hellenic Lloyd's SA of any modification or changes to the equipment in order to obtain a valid Certificate.

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

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