Certificate No: LR2007943TA
Issue Date: 14/07/2020
Expiry Date: 13/07/2025

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	**Monti & Barabino SPA**
Address	VIA BURANELLO 85 R, GENOVA - SAMPIERDARENA, 16149, Italy
Type	Flexible Hoses
Description	Double Wall Heavy Fuel Line Hoses
Trade Name	MB HFO FUEL OIL
Application	Marine/Offshore/Industrial
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, 2019.
Ratings	Nominal Diameter: 6 to 50 mm Max. Working Pressure; 40 bar Temperature Range; -40^0 to 150^0 C
Other Conditions	1. Hoses are to be selected, installed and tested in accordance with the manufacturer's recommendations and Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5,Chapter 12, Section 7. 2. Materials for hoses and fittings are to be manufactured and tested in accordance with the requirements for Class I piping systems. 3. Hoses are not approved for use in piping systems where pressure pulses and/or high levels of vibration are expected to occur in service.

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Mohamed Mohamed Rila

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4. Each flexible hose with end fittings is to be provided with the manufacturer's pressure test report and conformity of the production and the following details are to be permanently marked:

- Manufacturer's name or trademark.
- Date of manufacture (month/year).
- Designation type reference.
- Nominal diameter.
- Pressure rating.
- Temperature range.

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

The Design Appraisal Document No. LR2007943TADA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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