Certificate No: LR21246040TA
Issue Date: 25/06/2021
Expiry Date: 24/06/2026

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, 16149, Italy
Place of Production	Monti & Barabino SPA Via Buranello 85 R., Genova, 16149, Italy
Type	Flexible Hoses
Description	Flexible hoses with permanently fitted couplings; 462TC constructed according to EN 857 2SC - ISO 11237 2SC Nitrile (NBR) inner tube, two layers of high-tensile steel wire braid reinforcement and highly abrasion resistant synthetic rubber cover.
Trade Name	MB CARBUR OIL PLUS
Application	Short joining lengths to accommodate relative movement between items of machinery connected to permanent piping systems, petroleum and water-glycol based fluid, lubricating oils, air and water.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships 2020 Lloyd's Register's Rules and for the Classification of Special Service Craft 2020 Fire test in accordance with ISO 15540: 2016

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A member of the Lloyd's Register group

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Ratings

Nominal Diameter:	6 to 76 mm
Max. Working Pressure:	70 to 425 bar
Temperature Range:	-40^0 to 100^0 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.
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 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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