Certificate No: LR23362843TA
Issue Date: 01/03/2023
Expiry Date: 28/02/2028

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	**Markert Marsoflex GmbH**
Address	Gadelander Strasse 135, Neumuenster, 24539, Germany
Type	Flexible Pipe Couplings And Hoses
Description	Flame resistant hose, consisting of inner PTFE hose, two layers of stainless steel wire braids and two outer layers of heat protection hoses, all compressed into fittings.
Trade Name	marsoflex HFH
Application	As flexible element between rigid oil fuel pipe and diesel engine on ships and offshore installations classed with Lloyd's Register.
Specified Standard	Works Standard and Lloyd's Register Rules and Regulations for the Classification of Ships, 2023.
Ratings	Sizes : DN 16 / DN 20 / DN 25 Design Pressure : 80 bar DesignTemperature : 180°C
Other Conditions	Installation as per producer's instructions

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Torsten Schroeder

Engineering - Piping - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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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.

Previous Version: LR22428573TA / 03/20023(E2)

The Design Appraisal Document HMD 9973-03, Issue No. 4 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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