Certificate No: LR2001996TA
Issue Date: 31/10/2019
Expiry Date: 30/10/2024

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	**ProfiSeal GmbH**
Address	Mühlerstraße 13, Schornsheim, 55288, Germany
Type	Sterntube Seals And Bearings
Description	10.00X.XXX.X0XA - Sterntube seals ProfiSeal for shaft diameters from 20 mm to 90 mm 10.00X.XXX.X0XA - Sterntube seals ProfiSeal for shaft diameters from 80 mm to 280 mm Sterntube seals for water- and oil lubricated propeller shafts with and without Pneumostop (stand still seal)
Trade Name	10.00X.XXX.X0XA - Sterntube seals ProfiSeal
Application	Sterntube seals for closed systems with oil lubrication and for open systems with water lubrication on Lloyd's Register classed Ships as well as for yachts and special cervice craft.
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2019
Ratings	Leakage rate: nil Temperature: oil max. 80°C, water max. 40°C

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Johannes Wiegel

Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, UK

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Pressure 1) 0.05 to 1.5 bar, 2) 0.05 to 7.0 bar

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. HPC/HMD 1674-99 Issue No. 5 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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