



CERTIFICATE NUMBER 18-HG1712303-PDA
EFFECTIVE DATE 09 Feb 2018
EXPIRATION DATE 08 Feb 2023
ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF

Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

PROFISEAL GMBH

MUEHLERSTRASSE 13
D-55288 SCHORNSHEIM
Germany

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product Stern Tube Seals

Model ProfiSeal

This Product Design Assessment (PDA) Certificate remains valid until expiration date or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

Efstratios Maliatsos
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

Approval Certificate



This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the GL Approval System.

Certificate No. 43 130 - 02 HH

Company ProfiSeal GmbH

Mühlerstrasse 13
55288 Schornsheim, GERMANY

Product Sterntube Seal (Water and Oil lubricated)

Type ProfiSeal

Technical Data / Application Sterntube seals for closed systems with oil lubrication and for open systems with water lubrication on GL classed ships, special service crafts and pleasure boats

For shaft diameter 20-90mm and 100-180mm

Approval Standard GL Rules Part 1, Chapter 2, Section 4, D

Documents See Ref.-No. 117135/02/CKB

Remarks Material tests and final testings have to be carried out, so far as required. Each application has to be notified in written form to the society.

Valid until 2018-01-11

File No. XI.J.07

Germanischer Lloyd

Hamburg, 2013-01-11

Dr. Dimitrios Sideris

Stanislav Avanesov



Type Approval Certificate Extension

This is to certify that Certificate No. 99/20055 (E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	ProfiSeal GmbH Mühlerstraße 13 55288 Schornsheim Germany
DESCRIPTION	Stern tube seals for water- and oil lubricated propeller shafts with and without Pneumostop (stand still seal)
TYPE	1) 10.00X.XXX.X0XA - Stern tube seals ProfiSeal for shaft diameters from 20 mm to 90 mm 2) 10.00X.XXX.X0XA - Stern tube seals ProfiSeal for shaft diameters from 80 mm to 280 mm
APPLICATION	Stern tube 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 service crafts
STANDARD	Lloyd's Register Rules and Regulations for the Classification of Ships, 2014
RATINGS	Leakage rate: nil Temperature: oil max. 80° C, water max. 40° C Pressure: 1) 0.05 to 1.5 bar, 2) 0.05 to 7.0 bar

Certificate No.	99/20055 (E3)
Issue Date	30 January 2015
Expiry Date	31 October 2019
Sheet	1 of 2



Olaf Schmidt
Hamburg Technical Support Office
Lloyd's Register EMEA

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