



TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000DM
Revision No:
4

This is to certify:

That the Stern Tube Seal

with type designation(s)
EVK, EVK2RT

Issued to

EAGLE INDUSTRY CO., LTD. Marine Division
Takasago, Hyogo Pref., Japan

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.4 Rotating machinery – power transmission
DNV rules for classification – High speed and light craft

Application :

The sealing boxes are approved for shafting arrangement with waterlubricated sterntube bearings. Survey interval for the propeller shaft: See page 2 of the certificate.

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2023-05-12**

for **DNV**

This Certificate is valid until **2028-05-11**.

DNV local unit: **Japan CMC**

Approval Engineer: **Geir Olav Moen**

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Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Stern tube seal for water lubricated propeller shafts.

Propeller shaft diameter from 41 mm to 700 mm for EVK seal.

Propeller shaft diameter from 101 mm to 700 mm for EVK2RT seal.

Manufactured by

EAGLE INDUSTRY CO., LTD. Marine Division, Kure Plant, 8-1, Showa-cho, Kure-chi, Hiroshima 737-0027, Japan

Application/Limitation

Survey interval for the propeller shaft seal shall be according to DNV Rules for Classification of Ships Pt.7 Ch.1 Sec.1 [2.3.8].

Type Approval documentation

Document no.	Title
EVK-008 Rev.03	EVK Kemel Water seal
EVK2RT-001 Rev.01	EVK Tandem Kemel Water Seal
ISEVK2RT-001E Rev.00	Inspection Manual for Stern Tube Seal
14ME-003-2	Instruction Manual of Stern Tube Sealing Type EVK2RT Tandem Seal
14ME-006E	Water Lubricated Stern Tube Seal EVK2RT - Test Report

Tests carried out

Test Report: "Water Lubricated stern tube seal EVK2RT (Tandem) Type, dated 2014-09-11."

Other conditions

Material Declaration for sealing rings shall be presented to DNV per installation, ref. DNV Rules Pt.4 Ch.4 Sec.1 [1.5] Table 3.

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification

Periodical assessment

For retention of the type approval, a DNV surveyor shall perform an assessment after 2 years and after 3.5 years, to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the type approved product is manufactured at other companies, the periodical assessment shall verify that the type approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical assessment shall be carried out randomly at these companies.

END OF CERTIFICATE