



## 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.

<b>Manufacturer</b>	<b>Eagle Industry Co., Ltd. Marine Division</b>
<b>Address</b>	2-13-23, Shinhama, Arai-cho, Takasago-shi, Hyogo, 676-0008, Japan
<b>Place of Production</b>	Eagle Industry Co., Ltd. Kure Plant 8-1, Showa-cho, Kure-shi, Hiroshima, 737-0027, Japan
<b>Type</b>	Stern Tube Seals
<b>Description</b>	Water lubricated stern tube seal - mechanical face seal(s) construction, incorporating an inflatable ring  EVK series: one working seal carrying one spare seal on shaft EVK2RT series: tow working seals in tandem
<b>Trade Name</b>	EVK series
<b>Application</b>	Water lubricated stern tube seal for propeller shafts
<b>Specified Standard</b>	Lloyd's Register (LR) Rules and Regulations for the Classification of Ships, Part 5, Chapter 6, July 2022
<b>Ratings</b>	Nominal seal size range (mm) : 50 ~ 690 (EVK), 110 ~ 690 (EVK2RT) Minimum shaft diameter (mm) : 41 (EVK), 101 (EVK2RT) Maximum shaft diameter (mm) : 700

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A member of the Lloyd's Register group

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Note: EVK (standard),EVK2RT (tandem seal)

**Additional Tests**

Representative samples tested in accordance with the producer's documents Nos. ISEVK-008 and 14ME-006E.

**Other Conditions**

Where the seals are intended to be installed on a ship classed or intended to be classed with LR, the following conditions of acceptance will be applicable:-

1. The seals are to be found to function to the attending LR Surveyor's satisfaction when fitted and tried under working conditions.
2. The diagrammatic plans showing sea water and compressed air piping systems are to be separately submitted for individual installations by shipbuilders for approval.

The valid reports of the audit assessment of the Production Quality Assurance system (PQA) are to be retained for each place of production.

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 Group Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 08/10003(E3)

The Design Appraisal Document LR22500154TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.