



# Type Approval Certificate

[ Stern Tube Seals ]

**Initial Approval** 16 August 1989

**Manufacturer** Eagle Industry Co., Ltd. Marine Division  
2-13-23, Shinhama Arai-cho, Takasago, Hyogo, 676-0008, Japan

**Product Description**

Brand Name : KEMEL COMPACT SEAL  
 Type : KEMEL CX125 ~ 1180, KEMEL DX140 ~ 1180  
 Dia. of Shaft : KEMEL CX : 80~1130mm, KEMEL DX : 111~1130mm  
 Approved Dwg. : CX-0301, DX-0301  
 Construction ;  
 - KEMEL CX : Standard construction fitted with 3 sealing rings in AFT seal and 2 sealing rings in FWD seal.  
 - KEMEL DX : Double security construction fitted with 4 sealing rings in AFT seal and 2 sealing rings in FWD seal.

**Approval Condition** Individual Product Certification is not required.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 5, Ch. 3, Sec. 2 of the Rules for the Classification of Steel Ships.

This Certificate is valid until 15 August 2028

Issued at Tokyo, Japan on 18 July 2023



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23030589731) and certificate No.(TKY04354-SE001).



**KOREAN REGISTER**

*General Manager of  
Tokyo Branch Office*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
  2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
  3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
  4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.