Certificate no.:
TAM00001CD

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Protective Coatings for Propeller Shaft

with type designation(s)
Thor-Coat Marine Shaft Coating System

issued to
Thordon Bearings Inc.
Burlington, ON, **Canada**

is found to comply with
DNV class programme DNV-CP-0428 – Type approval – Coating systems for protection of propeller shafts

Application:

Coating system for protection of propeller shafts. Surface preparation and coating system application as per manufacturer's recommendations.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2023-12-19**
This Certificate is valid until **2026-09-01**.
DNV local unit: **Montreal**

for **DNV**

Approval Engineer: **Joachim Rehbein**

Product description

Thor-Coat Marine Shaft Coating System: Epoxy-based system consisting of following components:

- Thor-Coat 2-part epoxy, Thor-Coat Part-A and Thor-Coat Part-B.
- Thor-Coat Transition Sealant
- Thor-Coat Transition Elastomeric Topcoat

Application/Limitation

This approval is solely connected to the corrosion prevention properties of the coating material. The approval does not include any evaluation of toxicity, contamination, pollution, or fire technical properties.

Surface preparation and coating system application as per Thor-Coat Marine Shaft Coating System Application Instruction Manual.

The durability of the applied coating system will depend on the steel surface preparation, coating application and the environmental conditions.

The Type Approval Certificate is invalid if the formulation of any of the components of the Thor-Coat Marine Shaft Coating System is changed to a degree deemed significant by DNV.

The information of each application shall be submitted as part of the documentation for approval to DNV.

Type Approval documentation

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

Product/package shall be marked with *manufacturer's name;* ***Thordon Bearings Inc., Canada***, *type designation (ref. above listed components)* and *date of production/bacth number*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

Periodical assessment

A condition for retention of the TA certificate in its validity period is that periodical assessments are successfully carried out.
For retention of the Type Approval, a surveyor to this Society shall perform periodical assessment after 2 years and after 3.5 years to verify that the conditions for the Type Approval are complied with. Refer to DNV-CP-0338, Sec.4.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE