Certificate no.:
TAPMS000002N

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Planned Maintenance System for Machinery

with type designation(s)
D-VesselKeeper 1.x

issued to
Winkong Marine Engineering Co., Ltd.
Qingdao, **China**

is found to comply with
DNV class programme DNV-CP-0206 – Type approval – Machinery planned maintenance system (MPMS)
DNV rules for classification – Ships

Application:

The Planned Maintenance System is approved for use onboard DNV classed vessels and Mobile Offshore Units with the in-operation notation PMS(M)

Issued at **Høvik** on **2025-09-19**
This Certificate is valid until **2030-09-18**.
DNV local unit: **Qingdao NB & CMC**

for **DNV**

Approval Engineer: **Thomas Knödlseder**

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 USD 300 000.

Product description
The planned maintenance system (PMS) software is a computerized tool to centralize maintenance information, schedule, track, and organize maintenance tasks.

Application/Limitation
Any version of this software sold and covered by this type approval must fulfil all functional requirements as specified in Class Programme DNV-CP-0206.

The system shall at least cover all relevant class items.

To obtain the in-operation notation PMS(M) for a specific vessel all relevant requirements of the current set of Rules for Classification (Ships or Offshore) must be met.

Type Approval documentation

Tests carried out
A software evaluation of D-VesselKeeper version V1.4.2 has been carried out to verify compliance with the functional requirements as per Class Programme CP-0206 Sec.2 4.

Transfer of maintenance activity data (MAD) according to CP-0206 Sec.2 2 has been tested.

Marking of product
The identification is stated in the programme display and on the printed reports.

Periodical assessment
In order to verify that the conditions for the TA are not altered in the validity period, biennial assessments will be carried out. The assessment consists of a documentation review (see CP-0206 Sec.1 Table 5).

Changes in the type approved software related to the functional requirements given in CP-0206 Sec.2 4 or an upgrade to another major version (semantic versioning) may require a new type approval. The holder of the TAC shall inform the Society about any such changes.

Other conditions
Any significant change in the software may render this Certificate invalid.

The validity date relates to the TAC issued to the manufacturer of the software, and not to the approval of the individual Planned Maintenance System installed on each vessel.

The validity status of the certificate can be found at https://approvalfinder.dnv.com/.

The digitally signed electronic version of the TAC represents the original of the certificate, and any paper version is a copy.