Certificate no.:
TAS00004DN

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Hook

with type designation(s)
HTH 3 – HH000429

issued to
H. Henriksen AS
TØNSBERG, **Norway**

is found to comply with
DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application:

Towing hook

Issued at **Høvik** on **2024-10-17**
This Certificate is valid until **2029-10-16**.
DNV local unit: **Sandefjord**

for **DNV**

Approval Engineer: **Axel Janson**

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

Towing painter with remote release device.

Reference standards

Forskrift om bygging og tilsyn av mindre lasteskip.

Application/Limitation

Design Parameter	Value
Max. Safe Working Load (SWL)*:	3t (29.4 kN)
Safety Factor (against MBR):	5
Dynamic Factor (DAF):	1.3
Min. Design Temperature:	-20 °C
Release Angles:	0-45° relative to horizontal plane

*Maximum tension in the towing line.

- The hook shall only be used for towing operations, not for lifting purposes.
- Support- and connections to the deck structure are not covered by this approval.
- All materials for load-carrying parts are to be delivered with 3.1 certificates (per EN 10204:2004), documenting mechanical properties and chemical composition in accordance with the Type Approval documentation.
- This hook is a purely mechanical component, and the emergency release requirements under §16 in “Forskrift om bygging og tilsyn av mindre lasteskip” must be evaluated by the operator, based on the specific application.

Type Approval documentation

Testing

Overload- and remote release testing at 3T was carried out 2024-09-26 (document number: D024677 rev.5) and witnessed by DNV.

Marking of product

For traceability, marking of each product shall be carried out in accordance with DNV-ST-0378 sec. 14.

Certification

This Type Approval covers design(s) only. i.e. the Type Approval is not valid for the final product but may be used as basis for obtaining a product certificate.

If a DNV Product Certificate is required, the following shall apply:

- The manufacturing survey shall be followed-up by a DNV Surveyor
- Each hook shall be tested according to DNV-ST-0378 Table 14-2. The testing shall be witnessed by a DNV surveyor.
- The testing shall include emergency release at maximum rope tension.

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

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