



TYPE APPROVAL CERTIFICATE

Certificate No:
TAS00001HB
Revision No:
2

This is to certify:

That the Hook - Lifesaving

with type designation(s)
HPH 2.5

Issued to
H. Henriksen AS
TØNSBERG, Norway

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

Application :

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

Issued at **Høvik** on **2022-06-29**

for **DNV**

This Certificate is valid until **2027-06-28**.

DNV local station: **Sandefjord**

Approval Engineer: **Mats Asvald Innstø**

Per Esvall
Head of Section

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

Survival craft towing painter with remote release device

Maximum tension in towing line : 2.5 tonnes (DAF included) SF=4
Minimum design temperature: -20 degrees Celcius

The product will be delivered with the following versions:

- HPHH 2.5 HH001543
- HPHV 2.5 HH001542
- HPHR 2.5 HH000103
- HPHST 2.5 HH000079

Application/Limitation

- All materials are to be delivered with 3.1 certificates (EN 10204:2004), documenting mechanical properties and chemical composition in accordance with the type approval documentation, and shall comply with DNV-ST-0378 Edition 2019-07, Amended 2021-10 Standard for offshore and platform lifting appliances.
- Support to hull structure is not included in this examination and shall be evaluated separately.

Type Approval documentation

<u>Drawing No.</u>	<u>Rev.</u>	<u>Title</u>
HH020044	A5	Sideplate 8x251,5x 101,3
HH020043	A5	Sideplate 8x251,5x101,3
HH010014	-10	Krokemne 20x142x76,8
HH040076	-2	Adapterfestebolt
HH040077	-1	Detaljtegning
HH001345	A7	HPH 2.5
HH001543	A12	HPHH 2.5
HH001542	-10	HPHV 2.5
HH000103	-6	HPHR 2.5
HH000079	-3	HPHST 2.5

Testing

Prototype testing carried out 2004-05-24, witnessed by DNV Høvik.

In order to obtain a DNV Product Certificate, testing is to be carried out according to DNV-ST-0378 Edition 2019-07, Amended 2021-10 Standard for offshore and platform lifting appliances

Marking of product

Each painter hook shall be marked according to DNV-ST-0378 Edition 2019-07, Amended 2021-10 Standard for offshore and platform lifting appliances

Periodical assessment

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>

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.

END OF CERTIFICATE