

# TYPE APPROVAL CERTIFICATE

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**This is to certify:****That the Hook**

with type designation(s)  
**Painter hook HPHRH 5.0**

Issued to

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

is found to comply with  
**Standard for Certification No. 2.22 Lifting Appliances**

**Application :**

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

This Certificate is valid until **2019-09-07**.

Issued at **Høvik** on **2015-09-08**

DNV GL local station: **Sandefjord**

for **DNV GL**

Approval Engineer: **Antonio Sendin Alvarez**

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**Aldo Matteucci**  
**Head of Section**

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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.

Job Id: **262.1-011859-2**  
Certificate No: **TAS000000W**

## Product description

Equipment type: Survival craft towing painter with remote release device.  
Application: offshore  
Design dynamic factor (DAF): 1.3  
Maximum tension in towing line (DAF included): 5 tonnes  
Design temperature: -20 degrees Celsius

## Application/Limitation

The hook may be used with optional swivel joint HSLP 5.0

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's Standard for Certification No. 2.22 "Lifting Appliances" June 2013 Ch.2 Sec.1.

## Type Approval documentation

<i>Drawing No.</i>	<i>Rev.</i>	<i>Title</i>	<i>Status</i>
HH001959	B4	HPHRH 5 Painterhook WLL 5000kg	For information
HH041995	0	Hovedbolt $\varnothing 35 \times 28-57$	Type approved
HH021974	-3	Sideplate 12x131,7x277,7	Type approved
HH021975	-2	Sideplate 12x131,7x277,7	Type approved
HH011976	-2	Krokemne 20mm	Type approved
HH001980	B3	HSLP 5,0 – Swivel joint	For information
MS-150801	18.06.2015	Capacity control of painter WLL 5 tons	For information

## Tests carried out

The prototype test is considered not required for this design.

In order to obtain a DNV Product Certificate, testing is to be carried out according to DNV Standard for Certification No. 2.22 "Lifting Appliances" Ed. June 2013 Ch.2 Sec.12

## Marking of product

Each painter hook shall be marked according to DNV Standard for Certification No. 2.22 "Lifting Appliances" Ed. June 2013 Ch.2 Sec.12

## Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey every second year and before expire date of this certificate to verify that the conditions for the type approval are complied with.

END OF CERTIFICATE