DNV·GL

Certificate No:
TAS00000M6

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Hook

with type designation(s)
Painter hook HPHA 5

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 **2020-08-04**.

Issued at **Høvik** on **2016-08-05**

for **DNV GL**

DNV GL local station: **Sandefjord**

Approval Engineer: **Antonio Sendin Alvarez**

Aldo Matteucci
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.

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Job Id: **262.1-011860-4**
Certificate No: **TAS00000M6**

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

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

Drawing No.	*Rev.*	*Title*	*Status*
MS-1121-01	15.08.2011	Calculation painter hook, HPHA 5	For information
HH043388	A1	Hovedbolt Ø30-124	Type approved
HH023379	B1	HENRIKSEN HOOKS - HPHA 5 – DETAILS	Type approved
HH023378	C1	HENRIKSEN HOOKS - HPHA 5 – DETAILS	Type approved
HH013377	A2	HENRIKSEN HOOKS - HPHA 5 part – Detaljer	Type approved
HH003095	C7	Henriksen Hooks - HPHA 5,0 WLL 5000kg SF 4,0/Made in Aluminium – ASSEMBLY	For information
1-3675RX	0	Report H. Henriksen-Kroktest HPHA5	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