

TYPE APPROVAL CERTIFICATE

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

with type designation(s)
HH000158 HTH 2,5

Issued to

H. Henriksen AS
TØNSBERG, Norway

is found to comply with

DNV GL standard DNVGL-ST-0378 – Standard for 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 **2017-03-14**

This Certificate is valid until **2022-03-13**.

DNV GL local station: **Sandefjord**

for **DNV GL**

Approval Engineer: **Chi Wan Bang**

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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.



Product description

Equipment type: HH000158 HTH 2,5 Henriksen Towing Hook with quick release
Categorization: offshore
Design dynamic factor (DAF): 1,3
Maximum Safe working load (SWL): 2,5 tonnes
Design temperature: -20 degrees Celsius
Operating condition: 0-45 degree upwards relative to the horizontal plane

Application/Limitation

- The towing hook is approved as loose gear according to the aforementioned standard.
- Support and connection to the deck structure are not covered by this approval.
- All materials for load-carrying parts 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 Sec.3 from the aforementioned standard.

Type Approval documentation

Tests carried out

First Article Acceptance Test (document number:D000876, Version:4) was carried out on 2016-10-17 and witnessed by DNVGL Sandefjord station with Verification Statement No.:N141BBVY.

In order to obtain a DNVGL Product Certificate, testing is to be carried out according to Sec.14 from the aforementioned standard.

Marking of product

Each towing hook shall be marked according to Sec.12 from the aforementioned standard.

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