DNV·GL

Certificate No:
TAS0000194

TYPE APPROVAL CERTIFICATE

This is to certify:

That the High Holding Power Anchor

with type designation(s)
HD-13 FABRICATED HIGH HOLDING POWER ANCHOR

Issued to
Jiangsu Haiding Engineering Machinery Co., Ltd.
Jintan City 100, China

is found to comply with
DNV GL rules for classification – Ships

Application :

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

Issued at **Hamburg** on **2017-11-10**
This Certificate is valid until **2022-11-09**.
DNV GL local station: **Nanjing**

Approval Engineer: **Ansgar Gorissen**

for **DNV GL**

Andree Orth
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: **262.1-027203-1**
Certificate No: **TAS0000194**

Product description

HHP Anchor 300 kg – 30000 kg

Application/Limitation

- Surveyor is to issue DNVGL Product Certificate and each anchor is to be tested prior to issuance of this. Proof load applied is to correspond to the weight of a normal stockless anchor, which is 4/3 of the HHP. anchor weight. Relevant NDT shall be performed after proof load testing according to Pt.3 Ch.11 Sec.1 [4.5].
- Each anchor is to be delivered with required material certificates in accordance with Pt.3 Ch.11 Sec.1 [4.2].

Type Approval documentation

DRAWING No: HD - 13 - 300 - 30000
Report No. SKJC 2016-HD-01-A MARINE FABRICATED STEEL HIGH HOLDING POWER ANCHORS

Tests carried out

016/01/26-28 Yangtze River near Wufeng Mountain

Marking of product

Each anchor shall be marked according to rules for classification of ships Pt.3 Ch.11Sec.1.

Periodical assessment

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