DNV·GL

Certificate No:
TAS00000DA

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Anchoring - Anchor

with type designation(s)
AC-17

Issued to
Hiroshima Metal and Machinery Co., Ltd.
KURE CITY HIROSHIMA, Japan

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

Application :

Approved for use as 'High Holding Power Anchor' as per current rules of DNV GL for weights up to 20,000 kg with 25% reduction compared to normal stockless anchor.

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

This Certificate is valid until **2020-03-30**.

Issued at **Høvik** on **2016-03-31**

for **DNV GL**

DNV GL local station: **Hiroshima**

Approval Engineer: **Chi Wan Bang**

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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

AC-17, High Holding Power Anchor

Application/Limitation

- Individual inspection of each product is to be carried out including NDT.
- The Surveyor is to issue a Product Certificate for each anchor.
- The materials as stated on the stamped drawings to be delivered with Material Certificates documenting the chemical compositions and mechanical properties in accordance with the mentioned Rules.
- Material Certificate and Test Certificate shall accompany each product/delivery.
- The anchor shackles for each size/delivery to be approved/comply with the mentioned Rules, Pt.3, Ch.11, Sec.1 4.3.

Type Approval documentation
Tests carried out

The test of the anchor to be according to our Rules for a normal anchor, except for the proof-test, in which the proof-load should correspond to the weight of a normal anchor.

Marking of product

The following marks to be stamped on the side of the anchor:

- Mass of anchor
- H.H.P.
- Certificate number
- Date of test
- the Society's stamp
- Type designation

Periodical assessment

For retention of the Type Approval, DNV GL 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.

END OF CERTIFICATE