



Certificate No:
TAS00003F2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Ø76 mm R4 chafe chain

with type designation(s)

ASAC1806-22F01-76

ASAC1903-04F01-76

Issued to

Jiangsu Asian Star Anchor Chain Co., Ltd.

JINGJIANG, JIANGSU, China

is found to comply with

DNV-OS-E302 – Offshore mooring chain, Edition July 2018 (Amended August 2021)

OCIMF's Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings, Fourth Edition May 2007

Application :

Mooring of conventional tankers at single point moorings and/or FPSO

Issued at **Høvik** on **2022-06-16**

This Certificate is valid until **2027-06-15**.

for **DNV**

DNV local station: **Jiangyin**

Approval Engineer: **Pierre-Eric Moulia**

Inger-Helene Hals
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

76mm OCIMF Chafe Chain in R4 grade, including non-standard hook link.

Application/Limitation

The pick-up components (like Oblong Plate, Pick-Up Shackle) are not part of this approval, as they are not load bearing.

The approval is conditional that the manufacturer is approved by DNV for the given grade and diameter.

The chafe chain is to be used in connection with mooring of conventional tankers at single point moorings and/or FPSO.

The R grade components shall be manufactured and tested in accordance with Offshore Standard DNV-OS-E302 "Offshore Mooring Chain" July 2021.

Individual Product Certificate is to be issued for each delivery.

Type Approval documentation

Tests carried out

For every order testing shall be carried out according to DNV-OS-E302 July 2021.

Marking of product

Each chafe chain shall be marked according to Offshore Standard DNV-OS-E302 July 2021 Ch 2 Sec 2 § 2.12.

Periodical assessment

For retention of this Type Approval, a DNV surveyor shall perform a periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days). The objective of the periodical assessment is to verify that the conditions for the Type Approval have not been altered. (Ref DNV-CP-0338 Type approval scheme).

Validity of this certificate can be checked at <https://approvalfinder.dnv.com/>