



Certificate no.:
TAP00002UR

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Oil spray protection system

with type designation(s)
WG-15240FR

issued to

Shanghai Tiannai Industrial Co., Ltd.
Shanghai, China

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.6 Piping systems

DNV class programme DNV-CP-0502 – Type approval – Oil spray protection systems

Application:

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Max. working press.: 1.8 MPa / 18 bar

Issued at **Hamburg** on **2024-03-07**

This Certificate is valid until **2029-03-06**.

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Christian Kaemmer**

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: 2023-09

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Product description

Type: WG-15240FR

Fire retardant Anti-spraying tape to prevent hot oils from coming in contact with hot surfaces & to prevent possible fires.

Product structure: Aluminum foil + Adhesive + Fiberglass fabric and Adhesive + Separation film

Colour: Silver, nominal Thickness: 0.3 mm

Thickness: 0.3 mm;

Design Pressure: 1.8 MPa;

Design Temperature: 180°C

Application/Limitation

For use in engine rooms or other enclosed spaces as wrapping around possible sources of leakage like flanges or fuel oil lines in fuel oil piping to help prevent fuel spray in event of a leak, as a means of meeting the requirements of the IMO SOLAS, Chapter II-2, Reg. 4.2.2.5.3.

The use is limited to spray shielding applications on oil pressure pipes located above the floor plates which have no insulation. Use is restricted to accessible positions where the integrity of the application may be inspected regularly, and new covering will be applied after removal for maintenance purposes. The installation is to be carried out in accordance with the Manufacturer's instructions. It must not be used for pipes insulation, or as replacement for pipe gaskets and sealings.

Fire retardant Anti-spraying tape should be installed in a way that the leaking oil is able to drop out from the lower part of the spray shield. No internal pressure should be built up.

Type Approval documentation

Tests carried out

Marking of product

Manufacturer's Name & Type No.

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNV-CP-0338, Sec.4.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>