

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**

with type designation(s)
Spooler Frame

Issued to

MANTOVANI & VICENTINI S.r.l.
Berra FE, Italy

is found to comply with

DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, August 2017
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860

Application :

Max. gross mass (kg) 15500
Max. payload (kg) 12200
Max. sling leg angle 30
Enhancement factor 1.267

Issued at **Aberdeen** on **2019-11-05**

This Certificate is valid until **2024-11-04**.

DNV GL local station: **Venice**

Approval Engineer: **Ronald Quiballo**

for **DNV GL**

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Elisabeth Legg
Principal Engineer

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.



Job Id: **262.1-018542-3**
Certificate No: **TAS0000297**

Product description

This Type Approval Certificate replaces S-8588.

Maximum external dimensions (LxWxH) : 2900 x 2400 x 2490 mm
Tare mass : 3300 kg

Application/Limitation

Design temperature : -40 °C
Minimum shackle bolt diameter : 28.2 mm

The DNV GL surveyor shall witness all important production and testing events and issue a certificate for each container. The certificate is only valid when the container is fitted with a DNVGL-ST-E271 certified lifting set.

Type Approval documentation

Tests carried out

Prototype no. 14FR501 tested in accordance with DNVGL-ST-E271.

Marking of product

Each container to be marked in accordance with DNV GL / ISO requirements, including:

- Data and inspection plates
- DNV GL emblem for offshore containers
- VL mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNVGL-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE