

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**with type designation(s)
Spooler Unit

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 :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Max. gross mass (kg) 6600**
Max. payload (kg) 4600
Max. sling leg angle 30
Enhancement factor 1.733Issued at **Aberdeen** on **2019-05-16**This Certificate is valid until **2024-05-15**.for **DNV GL**DNV GL local station: **Venice**Approval Engineer: **Ronald Quiballo**.....
on behalf of Alex Doig
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.



Job Id: **262.1-017291-2**
Certificate No: **TAS000020W**

Product description

Maximum external dimensions (LxWxH) : 1920 x 1720 x 2119 mm
Tare mass* : 2000 kg

*) Tare mass is to be confirmed by weighing. The sum of the tare mass and the payload shall never exceed the maximum gross mass as it is stated on the front page of this certificate.

Application/Limitation

Design temperature : -40 °C
Minimum shackle bolt diameter : 24.4 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. 14FR060 strength 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-CP-0338 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE