



Certificate No:
TAS00003AV

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Frame for 95 BBL surge tank

Issued to

Al Shirawi Equipment Company L.L.C
DUBAI, United Arab Emirates

is found to comply with

DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, January 2021
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860

Application :

Max. gross mass (kg)	12500
Max. payload (kg)	0
Max. sling leg angle	36
Enhancement factor	1.390

Issued at **Aberdeen** on **2022-01-12**

This Certificate is valid until **2027-01-11** .

DNV local unit: **Dubai**

for **DNV**

Approval Engineer: **Elisabeth Legg**

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Brendan Ward
Senior 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.

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 281

Revision: 2021-10

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Product description

Maximum external dimensions (LxWxH) : 6250 x 2570 x 3350 mm
Tare mass* : 12500 kg

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

Application/Limitation

Design temperature : -20 °C
Minimum shackle pin diameter : 28.3 mm

The DNV 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.

This approval has considered the tank to be empty during all offshore lifting and transportation activities. This approval is based on the assumption that the tank will not be pressurised during lifting and transportation operations and will be subject to atmospheric pressure only. It is the responsibility of the End User to ensure that the pressure relieving devices are fully functional, such that a positive or negative pressure differential across the tank shell is eliminated.

Type Approval documentation

Tests carried out

Prototype no. TX1364-031 tested in accordance with DNVGL-ST-E271.

Marking of product

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

- Data and inspection plates
- DNV emblem for offshore containers
- NV mark to be hard stamped on the data plate
- Manufacturer's serial number to be welded on frame.
- Removable beams to be marked with unit's serial number.
- Frame to be stencilled with words to the effect of "removable beams shall be fitted during all lifting and transportation activities".

Periodical assessment

In order to maintain the validity of this type approval certificate, periodical assessments should be carried out in accordance with DNV-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