Certificate No:
TAS0000370

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Lifting skid for 100bbls mixing tank

Issued to
Welfab Engineering Works Sdn Bhd
Bahau, **Malaysia**

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)	**6500**
Max. payload (kg)	**0**
Max. sling leg angle	**23**
Enhancement factor	**1.732**

Issued at **Aberdeen** on **2021-10-01**
This Certificate is valid until **2026-09-30** .
DNV local unit: **Kuala Lumpur**

Approval Engineer: **Ross MacDonald**

for **DNV**

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.

Product description

Maximum external dimensions (LxWxH) : 6056 x 2437 x 2893 mm
Tare mass* : 6500 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 : 27.8 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 only considers lifting the container in the horizontal orientation and this limitation shall be included in each certificate. Pad eyes for the vertical orientation lift have not formed part of this type approval.

Type Approval documentation

Tests carried out

Prototype no. WEW-2086-MT-001 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
- 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 this type approval certificate, periodical assessments should be carried out in accordance with 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