DNV·GL

Certificate No:
TAS00001YU

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Engine Lifting Frame

Issued to
VG Offshore Containers International (M) Sdn Bhd
Pelabuhan Klang, Selangor, Malaysia

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)	**5000**
Max. payload (kg)	**5000 - Tare***
Max. sling leg angle	**30°**
Enhancement factor	**1.960**

Issued at **Aberdeen** on **2019-03-07**
This Certificate is valid until **2024-03-06**.
DNV GL local station: **Kuala Lumpur**

Approval Engineer: **Brendan Ward**

for **DNV GL**

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.

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Product description

Height (mm)	1800 – 2000	2001 – 2200	2201 – 2438
Length (mm)	2500 – 3660	2500 – 3660	2500 – 3660
Width (mm)	1500 – 1800	1500 – 1800	1500 – 1800
Tare mass* (kg)	1475 – 1800	1550 – 1875	1625 – 1950

*) 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 : -20 °C
Minimum shackle bolt diameter : 21.9 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

Prototypes VG5098 and VG114 tested according to the requirements.

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