DNV·GL

Certificate No:
TAS000023F

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Gas Rack

Issued to
Belmet Marine (Pty) Ltd.
BELVILLE, South Africa

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)	**2315**
Max. payload (kg)	**1500**
Max. sling leg angle	**30°**
Enhancement factor	**3.078**

Issued at **Aberdeen** on **2019-07-11**
This Certificate is valid until **2024-07-10**.
DNV GL local station: **Cape Town**

Approval Engineer: **Andrzej Lange**

for **DNV GL**

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.

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Product description

Max. external dimensions (LxWxH) : 1122 x 1122 x 2143 mm
Tare mass* : 815 kg

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

Application/Limitation

Design temperature : 0 °C / -20 °C
Min. shackle bolt diameter : 22.2 mm

Certification in accordance with ISO 10855 is not applicable when design temperature of 0°C is selected. When design temperature of 0°C is selected the container shall be marked with words to the effect "Only to be used in temperate climates", as per DNVGL-ST-E271 Appendix J.

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.

This approval does not apply to the gas cylinders to be transported by this frame. If gas cylinders are to be installed and connected to manifolds, the unit as a whole (frame and payload) shall be approved and certified in accordance with IMDG Chapter 6.2 by an authorised certifying body.

Type Approval documentation

Tests carried out

Prototype no. BL-138-05 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 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