DNV·GL

Certificate No:
TAS00001YZ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
JN9316G - 16 Cylinder Rack

Issued to
David Ritchie (Implements) Ltd.
Forfar, Angus, United Kingdom

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)	**2160**
Max. payload (kg)	**1700**
Max. sling leg angle	**45**
Enhancement factor	**3.269**

Issued at **Aberdeen** on **2019-03-12**
This Certificate is valid until **2024-03-11**.
DNV GL local station: **Aberdeen**

Approval Engineer: **Ronald Quiballo**

for **DNV GL**

on behalf of Alex Doig
Team Lead

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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Manufacturer by

Responsibility
The company to which this Type Approval Certificate has been issued takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1.

Product Description
Maximum external dimensions (LxWxH) : 1016 x 1016 x 1945 mm
Tare mass : 460 kg

Application/Limitation
Design temperature : -20°C
Minimum shackle bolt diameter : 22.1 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.

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 according to IMDG Chapter 6.2 by an authorised certifying body.

Type Approval documentation

Tests carried out
Prototype No. RH15001 strength tested according to 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