DNV·GL

Certificate No:
**TAS00002F7**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Offshore Container**

with type designation(s)
**Mini GRS Module**

Issued to
**NOV ELMAR, a division of National Oilwell Varco UK Limited**
**Kintore, Aberdeenshire, 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 :

| | |
|---|---|
| **Max. gross mass (kg)** | **1800** |
| **Max. payload (kg)** | **0** |
| **Max. sling leg angle** | **45** |
| **Enhancement factor** | **N/A** |

Issued at **Aberdeen** on **2020-03-19**
This Certificate is valid until **2025-03-18**.
DNV GL local station: **Aberdeen**

Approval Engineer: **Yann Emeriau**

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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Job Id: **262.1-033483-1**
Certificate No: **TAS00002F7**

## Manufactured by

| Manufacturer Name | Location | DNV GL Local Office | DNV GL CIM Number |
|---|---|---|---|
| | | Ostrava | 10061202 |
| | | Aberdeen | 10117849 |
| | | Singapore | 111232 |
| | | Aberdeen | 10110171 |
| | | Ostrava | 10047195 |
| | | Aberdeen | 1246999 |
| | | Dubai | 10121862 |
| | | Singapore | 1098319 |
| | | Houston | 10462843 |
| | | Rotterdam | 10489253 |
| | | Kuala Lumpur | 1003901 |

## Responsibility

National Oilwell Varco UK Ltd. takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1 of this Type Approval Certificate.

## Product description

Maximum external dimensions (LxWxH) : 1600 x 970 x 1598 mm
Tare mass* : 1800 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 : -20 °C
Minimum shackle pin 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

This Type Approval covers design only. i.e. the Type Approval is not valid for the final product, but may be used as basis for obtaining a product certificate.

## 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-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