

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**with type designation(s)
5 Series Main Frame

Issued to

National Oilwell Varco UK Ltd
Kintore, 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) 4600**
Max. payload (kg) 3100
Max. sling leg angle 45
Enhancement factor 2.043Issued at **Aberdeen** on **2019-12-23**This Certificate is valid until **2024-12-22** .DNV GL local unit: **Aberdeen**for **DNV GL**Approval Engineer: **Jack Moffatt**

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.



Job Id: **262.1-032837-1**
Certificate No: **TAS00002CA**

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) : 3510 x 1295 x 1815 mm
Tare mass* : 1500 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.

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Application/Limitation

Design temperature : -20 °C
Minimum shackle pin diameter : 22.4 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 Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV GL.

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