Certificate No:
TAS0000326

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Transport Frame 7.06" SEC BOP DNV
Transport Frame 7.06" TEC BOP DNV

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, January 2021
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860

Application :

Type	Max. gross mass (kg)	Max. payload (kg)	Max. sling leg angle	Enhancement factor
Transport Frame 7.06" SEC BOP DNV	**3100**	**2080**	**45**	**2.555**
Transport Frame 7.06" TEC BOP DNV	**5500**	**4180**	**45**	**1.873**

Issued at **Aberdeen** on **2021-05-17**
This Certificate is valid until **2026-05-16** .
DNV local unit: **Aberdeen**

Approval Engineer: **Jack Moffatt**

for **DNV**

Brendan Ward
Delivery Lead - Offshore Containers

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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

Type	Maximum external dimensions (LxWxH)	Tare mass [1]
Transport Frame 7.06" SEC BOP DNV	2345 x 1450 x 2070 mm	1020 kg
Transport Frame 7.06" TEC BOP DNV	2345 x 1680 x 2615 mm	1320 kg

[1)] 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

Type	Design temperature	Minimum shackle pin diameter
Transport Frame 7.06" SEC BOP DNV	-40 °C	22.4 mm
Transport Frame 7.06" TEC BOP DNV [2]	-40 °C	25.7 mm

The DNV 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.

[2)] This approval for Transport Frame 7.06" TEC BOP DNV is only valid upon the successful completion of the specified series of 30° tilt tests in the presence of a DNV surveyor. The tilt test shall be conducted with the container in empty state and the container filled with cargo, the method in which the container is loaded shall be representative of the true CoG.

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV.

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