DNV·GL

Certificate No:
TAS00002HZ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
900 Series
900 Series SS

Issued to
National Oilwell Varco UK Ltd
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 :

Type	Max. gross mass (kg)	Max. payload (kg)	Max. sling leg angle	Enhancement factor
900 Series	**2100**	**0**	**45**	**3.352**
900 Series SS	**2100**	**0**	**45**	**3.352**

Issued at **Aberdeen** on **2020-06-15**
This Certificate is valid until **2025-06-14** .
DNV GL local unit: **Aberdeen**

for **DNV GL**

Approval Engineer: **Yann Emeriau**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Job Id: **262.1-033776-1**
Certificate No: **TAS00002HZ**

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)	Tare mass*
900 Series	1640 x 1110 x 1700 mm	2100 kg
900 Series SS	1715 x 1160 x 1785 mm	2100 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	Minimum shackle pin diameter
900 Series	-20 °C	22.4 mm
900 Series SS	-20 °C	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
- Removable beams to be marked with unit's serial number. Frame to be stencilled with words to the effect of "removable beams to be fitted during all lifting and transportation activities".

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