



Certificate no.:
TAS000057X

TYPE APPROVAL CERTIFICATE

This is to certify:

that the offshore container

with type designation(s)
Frame for Dual Pot Sand Filter 3" 10K

issued to

National Oilwell Varco UK Limited
Kintore, United Kingdom

is found to comply with

DNV standard DNV-ST-E271 – 2.7-1 Offshore containers, March 2023 (Amended December 2024)
ISO 10855-1:2024 Offshore containers and associated lifting sets – Part 1: Design, manufacture and marking of offshore containers
IMO/MSC Circular 860

Application:

Max. gross mass (kg)	20000
Max. payload (kg)	500
Max. sling leg angle	45
Enhancement factor	1.148

Issued at **Aberdeen** on **2026-03-03**

This Certificate is valid until **2031-03-02**.

DNV local unit: **Aberdeen**

for **DNV**

Approval Engineer: **John McCallum**

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

No.	Location	DNV local office	DNV CIM number
1		Abu Dhabi	10139667
2		Ostrava	10061202
3		Aberdeen	10117849
4		Singapore	111232
5		Aberdeen	10124766
6		Aberdeen	10110171
7		Ostrava	10047195
8		Aberdeen	1246999
9		Abu Dhabi	10121862
10		Singapore	1098319
11		Houston	10462843
12		Rotterdam	10489253
13		Istanbul	10752670
14		Aberdeen	10640108
15		Kuala Lumpur	1003901
16		Shanghai	10076173

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*
Frame for Dual Pot Sand Filter 3" 10K	6055 x 2536 x 3385 mm	19500 kg

*) Tare mass is to be confirmed by weighing. The sum of tare and payload shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Type	Design temperature	Minimum shackle pin diameter
Frame for Dual Pot Sand Filter 3" 10K	-20 °C	35.2 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 DNV-ST-E271 certified lifting set.

This design is approved for lifting in the horizontal orientation only.

This design is approved for an asymmetric lifting configuration.

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 / ISO requirements, including:

- Data and inspection plates
- DNV emblem for offshore containers
- NV 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 DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>