Certificate no.:
TAS00004W9

TYPE APPROVAL CERTIFICATE

This is to certify:

that the offshore container

with type designation(s)
Frame for Flyline SD Winch (aluminium)

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 liftings sets – Part 1: Design, manufacture and marking of offshore containers
IMO/MSC Circular 860

Application:

Max. gross mass (kg)	**2000**
Max. payload (kg)	**1050**
Max. sling leg angle	**30**
Enhancement factor	**3.500**

Issued at **Aberdeen** on **2025-06-18**

This Certificate is valid until **2030-06-17**.

for **DNV**

DNV local unit: **Aberdeen**

Approval Engineer: **Elisabeth Legg**

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		Aberdeen	10640108
	14		Kuala Lumpur	1003901
	15		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 Flyline SD Winch (aluminium)	2000 x 1500 x 1458 mm	950 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 Flyline SD Winch (aluminium)	-20 °C	18.9 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.

The connecting items associated with the removable primary items shall be checked for damage prior to all offshore transportation and lifting activities. Should any signs of significant wear or damage be evident, these items shall be replaced with equivalent fasteners. The connecting items shall be permanently secured to the structure by means of a chain or equivalent. This information shall be transferred to the DNV offshore container certificate.

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
- Removable frame to be 4marked with unit's serial number.
- Frame to be stencilled with words to the effect of "removable frame to be fitted during all lifting and transportation activities".
- Aluminium containers should be specially marked to warn of the danger of sparking. The recommended marking is 'ALUMINIUM CONTAINER' on all four sides in letters at least 75 mm high.

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