



Certificate no.:
TAD00001NY

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Hoisting, Rotation and Pipehandling Equipment**

with type designation(s)
150 Ton Dolly Assembly

issued to

Varco BJ. B.V.
Etten-Leur, Noord-Brabant, Netherlands

is found to comply with

DNV-OS-E101 – Drilling facilities, Edition July 2024

DNV statutory interpretations DNV-SI-0166 – Verification for compliance with Norwegian shelf regulations, Edition July 2021

Application:

See next page.

Issued at **Høvik** on **2024-11-28**

This Certificate is valid until **2029-11-27**.

DNV local unit: **Netherlands West FIS**

for **DNV**

Approval Engineer: **Axel Janson**

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 USD 300 000.

Reference standards

API Spec. 8C, Drilling and Production Hoisting Equipment (PSL-1 & PSL-2), 5th Edition April 2012.

Product description

150 short ton dolly assemblies compatible with the following elevators:

- 4-1/2" IF and 5" EIU D.P elevator
- 4-1/2" IF and 5" EIU 18° D.P elevator
- 4 " IF and 4-1/2" Reg & FH 18° D.P elevator
- 3-1/2" IF and 3-1/2" Reg. And FH Coll. D.P elevator
- 4" FH 18° D.P elevator
- 5-1/2" EIU 18° D.P elevator
- 3-1/2" IF and 5" EIU 18° D.P elevator
- 6-5/8" and 5-1/2 EIU 18° D.P elevator

Application/Limitation

<u>Parameter</u>	<u>Value</u>	<u>Equivalent</u>
Maximum load rating:	1 336 kN	150 Short Ton
Minimum design temperature:	-20 °C	-4 °F

Type Approval documentation

Testing

Each product shall be proof load tested according to API Specification 8C Sec.8.6.

Marking of product

Each product shall be marked according to API Specification 8C Sec.10, and contain the following marking:

- Part No.
- Serial No.
- Rated load capacity
- Manufacturer's name or mark

Comments

- Each product is to be surveyed during fabrication in accordance with the requirements for category I equipment as defined in DNV Offshore Standard DNV-OS-E101 Drilling Plant, followed by issuance of a DNV Product Certificate
- Qualification of welding procedures and qualification of welders shall be in accordance with DNV-OS-E101, Ch.2, Sec.8 §2
- PSL 2 units shall meet the stricter demands for welding, quality control (NDE) and materials as described in API Specification 8C Ch. 6/7/8
- Charpy test requirements are to be in accordance with API 8C, 5th edition, April 2012, Sec.6.3
- This certificate replaces the previously issued D-5929

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338. 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>

END OF CERTIFICATE