



Certificate No:
TAD00001EY

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Hoisting, Rotation and Pipehandling Equipment

with type designation(s)
SLX Side Door Collar type Elevator

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

is found to comply with
DNV-OS-E101 – Drilling facilities, Edition July 2021

Application :

The elevator is designed for lifting and suspending tubular goods.

Issued at **Høvik** on **2021-09-17**

This Certificate is valid until **2026-08-22**.

DNV local station: **Netherlands CMC**

for **DNV**

Approval Engineer: **Peder Andreas Vasset**

Per Esvall
Head of Section

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.



Form code: TA 251

Revision: 2021-03

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Reference Standards

API Spec 8C, Specification for Drilling and Production Hoisting Equipment (PSL1 and PSL2), 5th Edition

F.E.M. Rules for the Design of Hoisting Appliances, 3rd Edition, 1998

Product description

2.375" – 3.5" 100 short ton SLX elevator

Application/Limitation

2.375" – 3.5" 100 short ton SLX elevator : Safe Working Load : 100 short tons (890 kN)
Bore sizes: min. 2.375", max. 3.5"

Type Approval documentation

Tests to be carried out

Test procedures:

1. Each product is to be tested according to DNV-OS-E101, Ch.2, Sec.8, 4.1, including proof load test according to API Spec 8C, Ch 8.6.
2. Charpy impact testing shall be performed in accordance with DNV-OS-E101, Ch.2, Sec.2, 2.6 and API 8C, 5th edition, Sec.6.3.
3. Qualification of welders, welding- and heat treatment procedures shall be in accordance with DNV-OS-E101, Ch.2, Sec.8, 2.3 to 2.5.

PSL 2

4. PSL 2 units shall meet the stricter demands for materials, welding, quality control (NDE) and as described in Chapters 6, 7 and 8 respectively in API Spec 8C.

Other conditions/comments

A Design Verification Test was carried out September 10th, 1992, for both elevators.

Marking of product

For traceability and compliance with API 8C, Sec. 10, each unit should as a minimum be marked with:

- API Spec 8C
- PSL number
- Load rating
- Component traceability
- Drillpipe size and style (if used for lifting drillpipes)

Periodical assessment

For retention of the Type Approval, DNV Surveyor shall perform a survey – every second year and before the expiry date of this certificate. This is in order to verify that the conditions for the type approval are complied with, ref. DNVGL-CP-0338, DNV Type approval scheme.

This certificate is a renewal and replaces the earlier issued Type Approval Certificate No. D-6272.

END OF CERTIFICATE