

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Hoisting, Rotation and Pipehandling Equipment**

with type designation(s)

Rotary Support Table - RST755 1375sT (PN 50005430) & RST755 1500sT (PN50005475)

Issued to

Varco BJ B.V.**Etten-Leur, Netherlands**

is found to comply with

DNVGL-OS-E101 – Drilling facilities, Edition January 2018**DNVGL-SI-0166 – Verification for compliance with Norwegian shelf regulations, Edition July 2017****Application :****Rotary Support Tables provides power to turn the drillstring on the drillfloor.**Issued at **Høvik** on **2018-04-04**This Certificate is valid until **2023-04-03**.for **DNV GL**DNV GL local station: **Rotterdam, Product
Certification /Verification**Approval Engineer: **Hallvard Thune Uglane**

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.



Reference Standards

API Spec 7K, "Drilling and Well Servicing Equipment", 6th Edition

Product description

Rotary Support Table RST755 (1375 & 1500 short tons)

Rotary Support Tables provides power to turn the drillstring on the drillfloor.

The rotary motion and power are transmitted through the kelly bushing and the kelly to the drillstring. Almost all rigs today have a rotary table, either as primary or as a support system for rotating the drillstring.

Application/Limitation

- Min. design temperature: -20 °C (-4 °F)
- Static load rating RST755 1375: 1375 short tons (12230 kN)
- Static load rating RST755 1500: 1500 short tons (13347 kN)
- Max. torque load: 120000 ft-lbs (162720 Nm)
- Max. torque load on motors: 45000 ft-lbs (61020 Nm)
- Design fatigue life: 20 years

Type Approval documentation

Tests to be carried out

Test procedures:

1. Each product is to be tested according to DNVGL-OS-E101 "Drilling Facilities", January 2018, Ch.2, Sec.8, 4.1.
2. Charpy impact testing shall be performed in accordance with DNVGL-OS-E101 "Drilling Facilities" Ch.2, Sec.2, 2.6.
3. Qualification of welders, welding- and heat treatment procedures shall be in accordance with DNVGL-OS-E101 "Drilling Facilities" Ch.2, Sec.8, 2.3 to 2.5.

Comments

- Emergency stop for the rotary table is not a part of the approval. The design of and need for emergency stop should be considered for each installation.
- Control system is not part of the approval.

Marking of product

For traceability and compliance with API Spec 7K, each unit shall as a minimum be marked with:

- API 7K
- Component traceability
- Static load rating
- Manufacturers Name or Mark, make and model

Periodical assessment

For retention of the Type Approval, DNV GL 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, DNVGL Type approval scheme.

This certificate replaces previous type approval certificate no. D-4966.

END OF CERTIFICATE