

TYPE APPROVAL CERTIFICATE

This is to certify:

That the ParLock Hose RDTC35

with type designation(s)
RDTC35-32

Issued to

Parker Hannifin Manufacturing S.r.l.
Veniano CO, Italy

is found to comply with

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

Application :

CEM69TC-32, DN: 51 mm, Size: 32, Working Pressure: 69.0 MPa, Temperature Range: -20°C to 100°C

Issued at **Milan** on **2020-07-17**

for **DNV GL**

This Certificate is valid until **2025-07-16**.

DNV GL local unit: **Milan Verification**

Approval Engineer: **Gaetano Ricci**

Lars Henning Pedersen
Head of Section
Pipelines & Equipment

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **262.1-034472-1**
Certificate No: **TAD00001BS**

Product description

- HOSE, Parlock Multispiral Cementing Hose dedicate for cementing hose application
- Inner tube: synthetic rubber
- Reinforcement: 6 spirals, high- tensile steel wire
- Fittings: Internal and external skiving V6 Series
- Standards: API spec. 7K, 6th edition

Application/Limitation

- The current TA certificate is the **renewal of the TAD00000RS certificate** issued on the 29-06-2016 and is limited only to the CEM69TC-32, DN: 51 mm, Size: 32
- The specified CEM69TC-32 product has undergone design verification testing as per API Spec. 7K, Section 9.7.10
- End connectors are not covered by the specification and the hose assembly manufacturer shall select end connectors that are fit for purpose.
- Current renewal work has been carried out on the base of the DNVGL SE 284 (Type approval scheme Oil and Gas)
- Please note that, under the current renewal scope agreed, the DNVGL surveyor only witnessed the Burst test (API 7K Para 9.7.10.7)
- This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV GL.

Type Approval documentation

- Datasheet - Cement69TC-32 API7K
- CEM 69TC-32 - DNV renewal - Test Report - July 2020_Witnessed by DNVGL (Parker test report 3442, rev00, 16-07-2020)
- DNVGL TE certificate TAD00000RS - CE69TC, API7K_rev01

Tests carried out

- Deformation test (API 7K Para 9.7.10.2)
- Ambient temperature bending test at max WP (API 7K Para 9.7.10.3.1)
- Cold Temperature bending test (API 7K Para 9.7.10.3.2)
- Hydrostatic Pressure test (API 7K Para 9.7.10.6)
- Burst test (API 7K Para 9.7.10.7)

Marking of product

Each hose shall be clearly marked both according with section 9.7.9 and 10 of the API7K.

Periodical assessment

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.dnvgl.com>