Certificate no.:
TAD00001T0

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Marine Riser Equipment

with type designation(s)
RUNNING AND PULLING TOOL, CTG-5000 RT, NT-227-00 Rev.1

issued to
Frontier International, LLC
Houston, TX, USA

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:

Products covered by this Type Approval Certificate are permitted for installation on vessels classed by DNV, provided each product is accompanied by a valid DNV Product Certificate (PC) issued in accordance with applicable DNV rules and standards.

Issued at **Houston** on **2025-12-04**
This Certificate is valid until **2030-12-03**. for **DNV**
DNV local unit: **Certification & Inspection Services**

Approval Engineer: **Pari Natarajan**

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.

Design codes/standards used as references

- "Specification for Marine Drilling Riser Equipment"; API-SPEC-16F, 2nd Edition
- "Specification for Drill-through Equipment"; API-SPEC-16A, 4th Edition

Application/Limitation

Design Parameter	Value
Tensile Rating	25 kips
Compressive Rating	10 kips
Tested Load	50 kips
Drill Pipe Size Range	Up to 6 5/8" (standard 8 1/2" tool joint)
Metallic Temperature Rating	T-0 (0°F to 250°F)
Non-metallic Temperature Rating	XX (40 °F to 180 °F)
Designation of Systems; Equipment	MPD handling and running tools; Bearing running tools and other running tools used as part of MPD operation

Type Approval documentation

Tests carried out

- Reviewed pull test records RPT-003, TST-RCD-186 Rev.B with test completion date 03/06/25.
- Reviewed pull test records RPT-004, TST-RCD-1862 with test completion date 04/04/25

Marking of product

For traceability the following marking is to be carried out on each product:

1. Serial No.
2. Marking as specified in API references.
3. Additional marking at the manufacturer's discretion

Periodical assessment

For retention of the Type Approval, DNV surveyor shall perform a retention survey every second year in accordance with DNV Type Approval Scheme 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/

Other conditions/ comments

- Procedures related to testing, welding, NDE, and other quality control requirements are to be reviewed/approved by DNV local surveyor.
- Products requiring DNV certification shall be inspected during fabrication per DNV-OS-E101 Category I requirements

End of Certificate