DNV·GL

Certificate No:
TAD00000DU

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Hoisting, Rotation and Pipehandling Equipment

with type designation(s)
49-1/2" Rotary Table

Issued to
MHWirth GmbH
Erkelenz Nordrhein-Westfalen, Germany

is found to comply with
DNVGL-OS-E101 – Drilling plant, Edition July 2015
DNVGL-SI-0166 – Verification for compliance with Norwegian shelf regulations, Edition July 2015

Application :

See next page.

This Certificate is valid until **2021-06-26**.

Issued at **Høvik** on **2016-06-27**

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Axel Janson**

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.

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Reference Standards

- API 7K/ISO 14693 - Specification for Drilling and Well Servicing Equipment, 5th edition, June 2010

Product Description

Hydraulically powered 49-1/2” Rotary Table.

Application/Limitation

Design Parameter	Value	Equivalent
Max. Load Rating - Rotary Table Housing:	8900 kN	1 000 sT
Max. Load Rating - Split Adapter:	7120 kN	800 sT
Max. Oil Pressure:	207 bar	3 000 psi
Min. Design Temperature:	-20 °C	-4 °F
Max. Rotational Speed:	40 RPM	

Type Approval Documentation

Testing

Design verification function test shall be performed and documented in accordance with API Spec. 7K §5.2, before issuance of a DNV GL Product Certificate.

Fabrication and Testing Procedures

Procedures related to testing, material requirements, welding, NDT etc. are to be reviewed/approved by DNV GL's local surveyor.

Marking of Product

Each item shall be marked in accordance with API Spec 7K, Clause 10, including at least:

- Name of manufacturer
- Load Rating
- Part no.
- Serial no.

Comments

NPS No.	Comment	Status
1	This Type Approval Certificate replaces certificate D-5684.	FI

Periodical Assessment

For retention of this Type Approval, a representative of DNV GL shall carry out product audits every second year in accordance with DNVGL-CP-0338 Type Approval Scheme.