



Shaping a Sustainable Tomorrow

National Oilwell Varco (NOV) TDX-1000 Top Drive

Technical Information Pack

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Description

Specification	Details
Manufacturer	National Oilwell Varco (NOV)
Model (Gas Turbine)	TDX-1000 Top Drive
Year of Manufacture	N/A
Commissioning Year	N/A
Condition	Used
Location	Middle East
Qty Available	1
Power Output	2,000 hp continuous output
Fuel Type	Electric (AC motors)
Generator / Alternator	N/a
Operating Hours	N/A
Total Starts	N/A
Current Status	Available / Previously in service

Technical Details

- Two water-cooled AC drilling motors
- Continuous drilling torque of 91,000 ft-lb at 116 rpm
- Breakout torque up to 150,000 ft-lb
- Makeup torque up to 120,000 ft-lb
- API hoisting capacity of 1,000 short tons
- API 8C swivel bearing rating of 1,074 short tons
- NC77 main shaft connection
- Hydraulic link tilt and rotation functionality
- Dual-bail system for improved load handling
- Helical gear transmission system
- Integrated gearbox lubrication and cooling system
- Redundant IBOP system with remote actuation

Maintenance & Condition Summary

- Extensive preventive maintenance history recorded (2019-2022)
- Regular 1-month, 3-month, 6-month, and annual maintenance intervals completed
- Frequent inspections of pipe handler, cooling system, and motors
- Routine filter inspections and coolant flow checks performed
- Periodic IBOP replacement and certification inspections completed
- Electrical, mechanical, and control system inspections documented
- No major overhaul history explicitly stated

Scope of Supply

#	Component / Item
1	Top Drive unit TDX-1000
2	Two AC drilling motors
3	Gearbox and transmission assembly
4	Main shaft and NC77 connection
5	IBOP stack system
6	Pipe handler PH-203 assembly
7	Elevator and elevator links
8	Rotating link adapter
9	Counterbalance cylinders
10	Block dolly system
11	Retractable top drive guide dolly
12	Service loops (power and control)
13	Hydraulic and pneumatic manifolds
14	Electrical control and interconnect systems
15	Gearbox lubrication and cooling system









Contact Information

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