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| QUANTITY | DESCRIPTION |
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| 1 | <b>MODEL GDM-650 TOP DRIVE</b> |
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**USED AND OPERATING: GDM-650 Top Drive Unit Includes.**

- Manufactured in accordance to API 8C, License No. 8C-0161, rated PSL-1
- Robust gear case:
- Helical gears
- Submerged thrust bearing
- Spray lubrication
- Load path side plates
- A/C motor 1200 hp
- Hydraulic disc brakes
- Centrifugal blower
- Link hanger assembly with hydraulic tilt
- Pipe handler rated at 100,000 ft/lb.
- Hydraulic directional control valves for robotics system operations
- Travel Skid
- Guide Beam

**Top Drive Rig Interface:**

- Washpipe assy 3" 7500 psi
- Gooseneck, 7500 psi complete with 5" Fig. 1002 union for rotary hose
- Guide frame assembly

**Used Control House Assembly VFD (1200 hp):**

- A/C Cooling System
- 600-volt 60 HZ
- MCC Panel for auxiliary motors
- PLC control system
- Quick disconnect power plug board
- Hydraulic power unit - 12 GPM @ 2300 psi - pump & motor

**Used Driller's Control Station**

- Console
- HMI screen for maintenance and troubleshooting plus redundant operation of top drive

**Accessories:**

Complete set of derrick interior power and controls service loops includes:

- Used Inner Power Loop - 777 MCM - 86'
  - Aux Service Loop
  - Controls Service Loop
  - Cable 3PR 16 AWG Cable ASSY 185 FT. (Encoder)
  - Cable 16 AWG 185 FT
  - Cable 10C 16 AWG ASSY 185 FT. (PLC Power)
  - Cable, 20C, 12 AWG, Cable ASSY, 185 FT
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