

Hydraulics

Used in Natural Resources



Forestry

Mining

Oil Exploration

Marine

Gear Products

- S26, L2, GGP

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Vane Products

- V10, V20, 25VQ

Open Circuit Piston

- PVH-M

- 420

- PVH-M

- ME Motors, 420 pumps

Closed Circuit Piston

- Lazer, 74200,

- Series 1+2

- Lazer, 74200, ME

- ME Motors

GG Motors

- Spool-Disc valve G-G

- Spool-Disc-VIS valve G-G

- Spool-Disc-VIS valve G-G

- 2K, VIS, Delta

Mobile Valves

- Ultrronics, CMX, Priority, HRC, CM

- Ultrronics, CMX, Priority, HRC, CM, 5 & 15 monoblock

- Ultrronics, 5 & 15 monoblock, CM

Screw-in Cartridge Valves

- Broad Portfolio - All Applicable
- Specifically - EPV, Proportional, 350 bar pressure

- Broad Portfolio - All Applicable
- Specifically - Explosion proof coils

- Broad Portfolio - All Applicable
- Specifically - Explosion proof coils, Stainless steel

- Broad Portfolio - All Applicable
- Specifically - Stainless steel

Cylinders

- N5 - Hydro-Line
- TZ - Vickers

- XL Custom

- XL Custom
- N5 - Hydro-Line
- TZ - Vickers

Industrial Valves

- C-TOP2, DG, KDG

- DG, Slip-in, Stack valves, Explosion proof DG

- DG, Slip-in, Proportional Valves

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Steering

- Series 20, VersaSteer

- Series 25 & 40

- Series 5

Fluid Conveyance

- Nitrile Tube Braided & Sprial Hose for Environmentally Friendly Fluid Compatability
- STC® EZ-Torque

- MSHA Compliant Cover Materials
- High Pressure Braided & Spiral Hose
- STC® EZ-Torque

- Long Length Braided & Spiral Hose
- High Pressure Hose, BOP Bundles
- STC® EZ-Torque

- ABS & USCG Compliant Braided & Spiral Hose
- Stainless Steel Fittings

Filtration

- Mobile-gate
- H20-gate
- Fluid Analysis
- Spin-On Filters

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System Solutions - Drilling Application

When it comes to drilling, manufacturers rely on hydraulics to transfer the power deep down.

Equipment like drill rigs count on Eaton hydraulic components to carry out critical functions such as precise drill rotation with hydrostatic pump and motor, control the main feed cylinder, hydraulic hammer, hoists, mast slide, fan drive and others with auxiliary pumps and valves and ensure the optimum equipment reliability with high performance filters and fluid cleanliness practices.

With the use of appropriate transmission controls, the drilling speed is matched to the ever-changing ground conditions and is protected from the sudden reversal of mechanical energy stored in the drill's pipe length.

Feed control uses a precise variable meter-out load-sensing valve that allows lowering the load without the pump flow for energy saving. Long-term and reliable performances are ensured by the use of Eaton's Systemic Contamination Control program that defines and maintains a predetermined ISO fluid cleanliness code specifically tailored to the harsh drill rig operating conditions.

Eaton's product ranges for this market include:

- Axial Hydrostatic Variable Piston Pump and Motor
- Tandem Axial Open Circuit Piston Pumps
- Load Sensing Proportional Directional Valve (Hydraulic or Electronic Piloted)
- SICV Manifold Blocks
- Multiple Sections Solenoid Valve Bank
- Multiple Sections Manual Valve Bank
- Hydraulic or Electronic Remote Controls
- LSHT Motors
- High Performance Filters and Breather
- Gear Pump
- Multiple Hose Products

