



Product Data Sheet

Muxxol HVI Hydraulic Oil is a supreme performance anti-wear hydraulic fluid designed for high temperatures. HVI hydraulic fluid was designed especially for use in equipment and systems operating under severe conditions where high levels of anti-wear and film strength protection are needed.

Product Features & Benefits

Muxxol HVI Hydraulic Oil gives:

- Wear and Sludge protection to hydraulic system components
- Anti-wear Performance and High Load Carrying Capacity, gives better long-term pump performance due to reduce pump wear.
- Long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs.
- Hydrolytic Stability, protects equipment from corrosion when water is present.
- Thermal and Oxidative Stability, reduces formation of sludge and varnish thereby reducing potential downtime.
- Corrosion Protection, inhibits rust and corrosion formation leading to extended equipment life and lower overall costs.
- Low Foam, reduced foaming tendencies reduce inadequate lubrication and potential pump damage.

Additional Information

Hydraulic oils encompass a wide range of industrial and commercial applications in which mechanical energy is converted to fluid energy and then to mechanical work. Three basic designs of pumps are used being piston, vane and gear pumps. The hydraulic oil is then used in the pumps to:

- Transmit pressure and control the flow
- Excellent wear protection designed to promote longer pump life
- Reduce friction
- Provide cooling, rust and corrosion prevention
- Minimize deposits and contamination

Maintain their initial characteristics and provide satisfactory service for long periods HVI Hydraulic Oil meets the needs of hydraulic equipment.

Typical Characteristics

	Test Method	46	68
Density@29.5°C, gms / cc	ASTM D4052	.863	.877
Kinematic Viscosity at 40°C, CST	ASTM D445	46.3	68.1
Kinematic Viscosity at 100°C, CST	ASTM D445	7.452	10.9
Flash Point, COC, °C	ASTM D92	254	258
Viscosity Index	ASTM D2270	135	145

Performance Levels

Bosch Rexroth RDE-90235	Fives Cincinnati P-68, P-69 & P-70
DIN 51524 Part 1 & 2	ISO 11158 HL & HM
Eaton Brochure 03-401-2010	Parker Denison HF-1, HF-2, HF-0
Eaton Lubricant Specification E-FDGN-TB002-E	

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