

Product Description

Premium Hydraulic Oil is a high performance Hydraulic oil made from high quality virgin mineral oil and the latest technology to meet the most demanding industrial specifications including high speed, high temperature paper machines.

Product Features & Benefits

Premium Hydraulic Oil has:

- **Excellent durability** retaining performance over extended use and extending equipment life.
- **Excellent hydrolytic stability** to protect equipment from corrosion when water is present.
- **Superior rust and corrosion protection** to extend equipment life and helping to reduce overall costs.
- **Excellent wet and dry filterability** reducing filter changes and sluggish system performances.
- Outstanding thermal and oxidative stability reducing the formation of sludge and varnish which can lead to unexpected downtime.
- **Excellent wear protection** designed to promote longer pump life
- **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
- Minimize wear
- Reduce friction
- Provide cooling, rust and corrosion prevention
- Minimize deposits and contamination
- Maintain their initial characteristics and provide satisfactory service for long periods

Premium Hydraulic Oil meets or exceeds the needs of most industrial specifications and equipment.

Typical Characteristics

Test	Test Method	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220
Physical Properties								
Density @20°C	IP 160	0.861	0.869	0.878	0.882	0.884	0.888	0.893
KV @ 40°C	IP 71	23.5	32.7	46.3	68.5	101	149	219
KV @100°C		4.6	5.6	6.8	8.2	11.5	14.9	19.0
VI	IP 226	111	110	102	101	100	99	98

Performance Levels: Premium Hydraulic Oil meets or exceeds the following specifications

Denison HF-0, HF-1, HF-2	General Motors LH-03-1, LH-04-1, LH-06-1	DIN 51524, Part 2
Eaton Vickers I-286-S and M-2950-S	AFNOR NFE 48-690 (dry)	Sauer Danfoss
Cincinnati Machine P-68, P-69, P-70	AFNOR NFE 48-691 (wet)	Bosch Rexroth
US Steel 127 and 136	Commercial Hydraulics— [Except for PM-500 series silver containing pumps which require R&O systems]	JCMAS HK

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2 Beaumont Rd, Mt Kuringai, NSW, Australia Phone: +61 2 9457 8566, Fax: +61 2 9457 8057 Email: info@anglomoil.com Web: www.anglomoil.com