



Anti-Wear Hydraulic Oil

ISO 22 - 100

DESCRIPTION

AW Hydraulic Oils are premium-performance, anti-wear hydraulic fluid formulated with highly refined base oils and advanced additive technology. It is designed to provide superior viscosity stability across a wide operating temperature range, excellent oxidation resistance, and robust protection against wear, rust, and corrosion. This product is particularly well-suited for hydraulic systems operating under varying temperatures, high pressures, or where precise control and energy efficiency are critical.

APPLICATIONS

- ◆ Industrial hydraulic systems
- ◆ Mobile hydraulic equipment
- ◆ High-pressure vane, piston, and gear pumps
- ◆ Systems operating in outdoor or wide-temperature environments
- ◆ Precision hydraulic systems requiring stable response characteristics
- ◆ Superior anti-wear protection that exceeds the hydraulic fluid requirements of these and other pump and system manufactures:

BENEFITS

- ◆ Extends pump and component life
- ◆ Resists sludge and varnish formation
- ◆ Rapid water separation
- ◆ Protects ferrous and non-ferrous metals
- ◆ Rapid air release and foam suppression
- ◆ Compatible with common hydraulic system elastomers

MEETS OR EXCEEDS

- ◆ Vickers
- ◆ Abex Denison HF-0 and HF-02
- ◆ Jeffery
- ◆ Cincinnati Milacron P-series
- ◆ Sunstrand
- ◆ Brown and Sharp
- ◆ Lee-Norse
- ◆ Commercial Shearing
- ◆ Rexnord
- ◆ Racine.

TYPICAL PROPERTIES

TEST PARAMETER	METHOD	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100
Density @ 15 °C, lbs/gal	ASTM D4052	7.035	7.119	7.186	7.210	7.229
Kinematic Visc. @ 40 °C, cSt	ASTM D7042	23.4	32.0	45.6	67.0	96.0
Kinematic Visc. @ 100 °C, cSt	ASTM D7042	4.7	5.7	7.0	9.1	11.7
Viscosity Index	ASTM D2270	122	117	109	111	112
Flash Point, °C (°F)	ASTM D97	210 (410)	203 (397)	214 (417)	218 (424)	222 (432)
Pour Point, °C (°F)	ASTM D93	-36 (-33)	-30(-22)	-27 (-17)	-21 (-6)	-18 (0)

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