



HYGROL EXCEL AW

PSO Hygrol Excel AW is upgraded hydraulic oil formulated with superior quality hydro-treated base oils and zinc-based premium anti-wear hydraulic additive having high viscosity index and low pour point for outstanding performance. The oil is suitable for arduous working conditions and extreme temperatures where share stable high viscosity index anti-wear hydraulic oil is essential for high pressure system.

Benefits

- Multi-grade viscosity characteristics.
- Excellent oxidation and thermal stability.
- Improved low temperature pump-ability.
- Long service life of pumps and various components.
- Suitable for vane, axial piston and gear pumps using all metal types.
- High shear stability to provide extended pump performance.

Applications

- Industrial hydraulic equipment operating under wide temperature conditions, especially at low temperature.
- Marine deck equipment and automatic hydraulic controls
- Mobile equipment especially working in refrigerated areas.
- Machine tool operating with numerically controlled equipment.
- Some makes of enclosed gear system.

Performance Standards

- Parker HF-0, HF-1, HF-2
- Bosch Rexroth RD/E 90235
- Eaton E-FDGN-TB002-E
- Cincinnati Machine P-68, P-69, P-70
- ASTM D6158-05 (HV)
- DIN 51524-2, DIN 51524-3(HV)
- ISO 11158 (HH, HL, HM, HR & HV)
- SAE MS 1004 (HV)
- SEB 181222
- JCMAS P041 HK Hydraulic Specification
- ANSI/AGMA 9005-E02-RO
- GM LS-2
- AIST (US Steel) 126, 127
- Vickers I-286-S3 (Industrial Equipment)
- Eaton M-2950-S(35VQ25 pump test)
- ISO 20763 Conestoga vane pump test

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS
		100
Density @ 15 °C, kg/L	ASTM D-4052	0.8726
K. Viscosity @ 40°C, cSt	ASTM D-445	97.65
K. Viscosity @ 100°C, cSt	ASTM D-445	11.69
Viscosity Index	ASTM D-2270	108
Flash Point (COC), °C	ASTM D-92	254
Pour Point, °C	ASTM D-97	-24
TAN, mg KOH/g	ASTM D-664	0.90

*These typical characteristics mentioned are based on current mean values.