



PRODUCT DESCRIPTION

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.

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

Superior additive technology used in the formulation of PSO Hygrol Excel AW endorses the following performance standards:

Parker HF-0, HF-1, HF-2 (HM, HV)

Bosch Rexroth RDE 90235

Eaton E-FDGN-TB002-E

Fives P68, P69, P70 (HM, HV)

ASTM D6158 (HM, HV)

DIN 51524-2 (HM), DIN 52524-3 (HV)

Chinese standards GB 11118.1 (L-HL, L-HM, L-HV, L-HS)

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.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS - 100
Density @ 15 °C, Kg/liter	ASTM D-4052	0.8728
K. Viscosity @ 40 °C, cSt	ASTM D-445	100
K. Viscosity@100 °C cSt	ASTM D-445	11.72
Viscosity Index	ASTM D-2270	109
Flash Point °C (COC)	ASTM D-92	252
Pour Point, °C	ASTM D-97	-24
TAN, mg of KOH/g, max	ASTM D-664	0.9

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



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.