



# HYGROL EXCEL AW

PSO Hygrol Excel AW, an upgraded hydraulic oil formulated with superior hydro-treated base oils and a premium zinc-based anti wear hydraulic additive. With a high viscosity index and low pour point, this oil delivers outstanding performance, making it ideal for arduous working conditions and extreme temperatures where a stable high viscosity index anti-wear hydraulic oil is crucial for high-pressure systems.

## Benefits

- Features multi-grade viscosity characteristics.
- Ensures excellent oxidation and thermal stability.
- Improves low-temperature pump-ability.
- Prolongs the service life of pumps and various components.
- Suitable for vane, axial piston, and gear pumps using all metal types.
- Offers high shear stability for extended pump performance.

## Applications

- Perfect for industrial hydraulic equipment operating in a wide range of temperatures, especially at low temperatures.
- Ideal for marine deck equipment and automatic hydraulic controls.
- Well-suited for mobile equipment, especially operating in refrigerated areas.
- Suitable for machine tools operating with numerically controlled equipment.
- Also suitable for use in some enclosed gear systems.

## Performance Standards

- Parker (Denison) HF-0, HF-1, HF-2
- Bosch Rexroth RDE 90235
- Eaton E-FDGN-TB002-E
- Fives P-68, P-69, P-70
- ASTM D-6158
- DIN 51524-2
- ISO 11158 (HH, HL, HM)
- SAE MS 1004
- SEB 181222
- JCMAS P041 HK Hydraulic Specification
- GM LS-2
- AIST (US Steel) 126, 127

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS
<b>ISO VG</b>		<b>100</b>
Density @ 15°C, kg/L	ASTM D-4052	0.8757
K. Viscosity @ 40°C, cSt	ASTM D-445	101.0
K. Viscosity @ 100°C, cSt	ASTM D-445	11.69
Viscosity Index	ASTM D-2270	108
Flash Point (COC), °C	ASTM D-92	242
Pour Point, °C	ASTM D-97	-27
TAN, mg KOH/g	ASTM D-664	0.90

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

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)