



PSO Hygrol AW series, a blend of highly refined mineral oils fortified with premium zinc-based anti-wear hydraulic additives. These oils provide exceptional wear protection in hydraulic and circulation systems, along with excellent air release properties.

Benefits

- Ensures superior wear protection for prolonged equipment life.
- Provides extended oil drain intervals with excellent oxidation stability, controlling sludge and particulates.
- Improves filterability, leading to reduced downtime.

Applications

- Perfect for the mobile sector, where pressures are higher and temperature variations are greater than those typically observed in industrial facilities.
- Ideal for use in hydraulic and certain circulating systems.
- Not recommended for use with yellow and white metal components in any equipment.
- Available in a wide range of viscosities to meet various design and operating requirements.

Performance Standards

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

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS						
		ISO VG	32	46	68	100	150	220
Density @ 15°C, kg/L	ASTM D-4052	0.8813	0.8843	0.8879	0.8986	0.8951	0.9012	0.9026
K. Viscosity @ 40°C, cSt	ASTM D-445	31.2	46.7	68.6	100.5	148.8	219.8	315.8
K. Viscosity @ 100°C, cSt	ASTM D-445	5.26	6.80	8.71	11.36	14.75	20.35	25.10
Viscosity Index	ASTM D-2270	99	99	98	99	98	106	102
Flash Point (COC), °C	ASTM D-92	204	224	244	240	244	248	252
Pour Point, °C	ASTM D-97	-18	-18	-15	-12	-12	-12	-12
TAN, mg KOH/g	ASTM D-664	0.65	0.65	0.65	0.65	0.65	0.65	0.65

*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