



PSO Hygrol AW series is blended with highly refined mineral oils and fortified with zinc-based premium anti-wear hydraulic additives. The oils exhibit excellent wear protection in hydraulic and circulation systems and good air release properties.

Benefits

- Superior wear protection for maximum equipment life.
- Excellent oxidation stability ensures extended oil drain interval by controlling sludge & particulates.
- Improved filterability and consequently less downtime.
- Excellent hydrolytic stability gives improved protection and extended life of yellow metal parts of the equipment.

Applications

- Useful in the mobile sector where pressures tend to be higher and temperature variations greater than often seen in industrial facilities.
- Excellent for hydraulic and certain circulating systems.
- Not recommended to be used with yellow and white metal components in any equipment.
- Offers in a wide range of viscosities to meet a variety of design and operating requirements.

Performance Standards

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

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS						
		32	46	68	100	150	220	320
Density @ 15 °C, kg/L	ASTM D-4052	0.8813	0.8843	0.8787	0.8986	0.8951	0.8921	0.8935
K. Viscosity @ 40°C, cSt	ASTM D-445	31.15	46.67	68.60	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