



## PRODUCT DESCRIPTION

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.

## 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

The superior additive technology used in the formulation of PSO Hygrol 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

- 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.

## PRODUCT CHARACTERISTICS\*

PROPERTIES	METHOD	TYPICAL RESULTS						
		32	46	68	100	150	220	320
Density @ 15 °C, Kg/liter	ASTM D-4052	0.8813	0.8843	0.8787	0.8986	0.8951	0.8921	0.8935
Kinematic Viscosity @ 40 °C, cSt	ASTM D-445	32	46	68	100	150	220	320
Kinematic 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 of KOH/g, max	ASTM D-664	0.6	0.6	0.6	0.6	0.7	0.6	0.6

\* 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.