



PSO Hygrol series is blended with highly refined base oils and a zinc-free multi-functional additive package of anti-rusting and anti-oxidant properties to meet the most stringent requirements of hydraulic systems. The oils contain a metal passivator, demulsifier and antifoam agent for improved product performance and longer fluid life.

## Benefits

- Excellent thermal and oxidation stability ensures longer service life.
- Protects metal surfaces from rust and corrosion.
- Excellent demulsibility provides efficient water separation.
- Reduces foaming to ensure smooth, safe and efficient operations.
- Available in a wide viscosity range to suit the requirement of operating pressure and temperature as well as the type and design of hydraulic pump.

## Applications

- Recommended for wide range of industrial applications, for both mobile and stationary hydraulic systems.
- Equally suitable for mobile equipment operations.
- Oils are designed to support hydraulic systems where anti-wear property is not required but rust and oxidation resistance is required.

## Performance Standards

- Parker Denison HF-1
- MAG IAS P-38, P-54, P-55, P-57
- MIL-PRF-17672E
- DIN 51524 Part 1
- Afnor 48-600 HL

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS					
		22	32	46	68	100	150
Density @ 15 °C, kg/L	ASTM D-4052	0.8796	0.8796	0.8866	0.8905	0.8930	0.8975
K. Viscosity @ 40°C, cSt	ASTM D-445	21.23	31.50	46.23	67.50	97.47	146.1
K. Viscosity @ 100°C, cSt	ASTM D-445	4.20	5.31	6.76	8.62	11.08	14.46
Viscosity Index	ASTM D-2270	100	100	99	98	98	97
Flash Point (COC), °C	ASTM D-92	196	202	210	226	238	244
Pour Point, °C	ASTM D-97	-24	-18	-18	-18	-15	-12
TAN, mg KOH/g	ASTM D-664	0.18	0.18	0.18	0.18	0.18	0.18

\*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)