



PSO Hygrol series, expertly blended with highly refined base oils and a zinc-free, multi-functional additive package. This combination boasts anti-rusting and anti-oxidant properties, meeting the most stringent requirements of hydraulic systems. These oils also include a metal passivator, demulsifier, and anti-foam agent to enhance product performance and extend fluid life.

Benefits

- Ensures longer service life of oil with excellent thermal and oxidation stability.
- Shields metal surfaces from rust and corrosion.
- Efficiently separates water with excellent demulsibility.
- Promotes smooth, safe, and efficient operations by suppressing foaming.
- Available in a wide viscosity range to accommodate varying operating pressures, temperatures, in hydraulic pump types and designs.

Applications

- Recommended for a broad range of industrial applications, catering to both mobile and stationary hydraulic systems.
- Equally suitable for mobile equipment operations.
- Designed to support hydraulic systems where anti-wear properties are not required, but rust and oxidation resistance are essential.

Performance Standards

- Parker Denison HF-1
- MAG IAS P-38, P-54, P-55, P-57
- MIL-PRF-17672E
- DIN 51524 Part 1
- Afnor E48-600 HL

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS					
ISO VG		22	32	46	68	100	150
Density @ 15°C, kg/L	ASTM D-4052	0.8787	0.8796	0.8866	0.8905	0.8930	0.8975
K. Viscosity @ 40°C, cSt	ASTM D-445	21.2	31.5	46.2	67.5	99.1	149.1
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