



## PRODUCT DESCRIPTION

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.

## 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

Superior additive technology used in the formulation of PSO Hygrol endorses the following performance standards:

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

## 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.

## PRODUCT CHARACTERISTICS\*

PROPERTIES	METHOD	TYPICAL RESULTS					
		22	32	46	68	100	150
Density @ 15 °C, Kg/liter	ASTM D 4052	0.88	0.879	0.886	0.89	0.893	0.897
K. Viscosity @40 °C, cSt	ASTM D-445	22	32	46	68	100	150
K. Viscosity @100 °C, cSt	ASTM D 445	4.2	5.3	6.8	8.6	11	14.5
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	-15	-18	-15	-12
TAN, mg of KOH/g, max	ASTM D-664	0.2	0.2	0.2	0.2	0.2	0.2

\* 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.