

# SAVSOL HLP SERIES

## **DESCRIPTION:**

**SAVSOL HLP** Series Oils are high performance Hydraulic Oils for modern Hydraulic High Pressure Pumps and Hydraulic systems. Savsol HLP Oils are blended from highly refined hydro treated high viscosity index base oils fortified with latest additive technology to provide complete protection on wear, corrosion, rust, oxidation and foaming.

## **APPLICATION:**

**SAVSOL HLP** Series Hydraulic Oils can be used in to meet or exceed the performance requirements of all hydraulic equipment manufacturers and Industry Organization Specifications. These oils are recommended for sophisticated high performance hydraulic systems where high temperature and pressure are encountered. SAVSOL HLP Series available in ISO 32, 46, 68, 100 & 150 Viscosity Grades.

## **SPECIFICATIONS & APPROVALS:**

**SAVSOL HLP** Series Hydraulic Oils meet the following performance specification requirements:

- |   |   |
|---|---|
| ➤ DIN 51524 Part II & Part. I   | ➤ ISO 11158 (HM & HL)   |
| ➤ <i>Parker (formerly Denison) HF-0, HF-1, HF-2 (HM/HL)</i>             | ➤ <i>Cincinnati MAG P-68 (VG 32), P-69 (VG 68) &amp; P-70 (VG 46)</i> |
| ➤ <i>SAE MS 1004 Type H Hydraulic Oil Specifications (HM Anti-wear)</i> | ➤ <i>JCMAS P041 HK Hydraulic Fluid Specification (Single Grade)</i>   |
| ➤ <i>AGMA 9005-E02 Anti-wear</i>  | ➤ <i>Racine</i>   |
| ➤ <i>Eaton Vickers M-2950-S &amp; I-286-S3</i>                          | ➤ <i>IS 10522:1983 (Reaffirmed 2004)</i>                              |
| ➤ <i>Meets Bosch Rexroth RD/E 90235</i>                                 |   |

## **ADVANTAGES:**

**SAVSOL HLP** 68 Hydraulic Oil offer the following advantages:

- Excellent Oxidation & Thermal Stability
- Improved filterability and consequently less downtime.
- Complete protection of critical components
- Outstanding wear protection for maximum equipment life.
- Very good energy saving potential and extended oil drain interval and filter life.
- Excellent hydrolytic stability for improved protection and extended life of yellow metal parts of the equipment
- Good sludge & particulate control.
- Long Oil and filter life ensuring unsurpassed equipment protection.

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## **TECHNICAL SPECIFICATIONS: SAVSOL HLP SERIES**

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES				
		HLP 32	HLP 46	HLP 68	HLP 100	HLP 150
Appearance	Visual	Clear & Bright				
Colour ASTM	D1500	L0.5	L0.5	L0.5	L0.5	L1.5
Density @ 29.5°C, gm/cm <sup>3</sup>	D1298	0.8550	0.8575	0.8612	0.8640	0.8720
Kinematic Viscosity @ 40°C, cSt	D445	31.80	45.80	68.80	96.10	152.3
Kinematic Viscosity @ 100°C, cSt	D445	5.41	6.85	8.95	11.25	15.10
Viscosity Index	D2270	106	104	104	103	99
Flash Point, COC, °C	D92	216	222	230	242	246
Pour Point, °C	D97	-18	-15	-15	-15	-9
Rust Test	D665	Pass	Pass	Pass	Pass	Pass
Demulsibility Test	D1401	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion Test	D130	Pass	Pass	Pass	Pass	Pass

*The above details are typical results of normal production and variations in these characteristics may occur. The information contained herein is subject to change without notification. All recommendations and suggestions are without guarantee and the manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty.*

### **Storage:**

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

### **Environment, Health and Safety**

- Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point
- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes. After skin contact, wash with water and soap.

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