

MOL-PROHYDRO HLP Series

Product description:

MOL-PROHYDRO HLP Series is high performance anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service. Formulated with high quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust, corrosion and wear. They also possess superior foam control, water separation and rapid air release properties.

Features:

- Excellent thermo-oxidative stability controls the formation of sludge and varnish hence improves oil life and exceptional anti-wear property results in longer pump and component life and reduces costs.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions and special rust and corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
- Rapid air release property minimizes chances of pump cavitation's leading to trouble free operations.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.

Applications:

MOL-PROHYDRO HLP Series can be used in hydraulic systems operating under moderate to severe conditions in mobile and industrial service and in older hydraulic systems where leakage is a problem and cost-effective hydraulic oil providing all-round protection is required, mobile hydraulic fluid power transmission systems and general machine lubrication.

Specifications:

- Cincinnati P-68 (ISO 32)
- Cincinnati P-79 (ISO 46)
- Eaton M-2950 S, I-286 S
- DIN 51524 Part 2 HLP
- ISO 11158 HM
- Cincinnati P-69 (ISO 68)
- ASTM 6158-08 HM
- GB 111181-1-94 HM
- AFNOR NF-E 48-603
- Denison HF-0, HF-1, HF-2

Storage and Packing Conditions:

- Should be stored sealed under normal storage conditions. Shelf life in original package and at room temperature is 3 years.
- Available in 16 Lit Pails, 208 Lit Drums and 1000 Lit IBCs.

Physical and Chemical Conditions:

MOL-PROHYDRO HLP	Method	Unit	15	22	32	37	46	68	100
Appearance	Visual	-	B&C	B&C	B&C	B&C	B&C	B&C	B&C
Density @ 15° C	ASTM D 4052	g/cm ³	0,891	0.881	0.875	0.876	0.880	0.885	0.890
Kinematic Viscosity @ 40° C	ASTM D 445	cSt	15	22	32	37	46	68	100
Kinematic Viscosity @ 100° C	ASTM D 445	cSt	3,6	5.1	5.4	5.9	6.7	8.9	11.1
Viscosity Index	ASTM D 2270	-	100	99	99	99	98	97	96
Flash Point, (COC)	ASTM D 92	°C	170	170	219	220	232	238	251
Pour Point	ASTM D 97	°C	-30	-30	-30	-30	-29	-23	-23
Corrosion Test	ASTM D 665	-	Passes						
Acid Number	ASTM D 3643	MgKOH/g	0.4						
Sulphated ASH	ASTM D 874	%	0.06						

Human Health and Work Safety:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point
- For more information, please see the Material Safety Data Sheet (MSDS).

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