

PRODUCT DATA SHEET

KYROS HYDRAPREMIUM HM SERIES

High Performance HLP Hydraulic Oils

DESCRIPTION

KYROS HYDRAPREMIUM HM Series Hydraulic Oils are high quality HLP type hydraulic oils formulated from premium quality, low evaporation base oils and fortified with anti-wear, anti-rust and oxidation inhibiting additives for superior performance. These oils are designed for hydraulic systems with high pressure and thermal loading and subject to corrosive conditions due to the presence of water. Based on highly refined, ageing resistant oils, KYROS HYDRAPREMIUM HM hydraulic oils under proper maintenance, retain high levels of cleanliness. These oils have good compatibility with elastomers and exhibit minimal changes in viscosity under higher operating temperatures. These oils meet IS: 10522/1983 (Reaffirmed in 2019).

OEM APPROVAL

Bosch Rexroth RDE 90235

MEETS THE FOLLOWING REQUIREMENT

DIN 51524, pt 2 (HLP), ISO 6743/4 (HM), ASTM D6158-05 (HM), ISO 11158 (HM), AFNOR NF E 48-603 (HM), SS 155434, VDMA 24318, SEB 181 222, Eaton E-FDGN-TB002-E, U. S. Steel 127 and 136, Cincinnati Machine P-68, P-69, P-70, Parker Denison HF-0, HF-1, HF-2.

PRODUCT FEATURES

- Highly Oxidation Resistant
- Low Foaming
- Excellent de-aeration and demulsifying Properties
- Retain High Levels of Cleanliness
- Good compatibility with Elastomers
- Possess Good Extreme Properties to protect sliding surface against Wear.
- Exhibit Minimal Changes in Viscosity under higher operating temperatures.

APPLICATION AREAS

KYROS HYDRAPREMIUM HM Series oils are recommended for all large and medium sized hydraulic systems where good separation of dragged-in water, combined with overall anti-wear properties is an essential requirement. KYROS HYDRAPREMIUM HM Series oils can also be used as general-purpose lubricating oils for use in gearboxes, general machinery and bearings.

PACKING

KYROS HYDRAPREMIUM HM SERIES oils are available in packaging of 210 liters. Other packaging is available based on request to meet specific requirements and available in ISO VG viscosities, 32, 46, 68.

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RAJ PETRO SPECIALITIES PVT. LTD.

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Disclaimer: This product data sheet was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended and comply with all applicable laws and regulations. Due to continual product research and development, the information contained herein is subject to change without notification.

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TECHNICAL DATA

Properties	Test Method	Typical Values		
		HM 32	HM 46	HM 68
Appearance	Visual	Clear Liquid	Clear Liquid	Clear Liquid
Color	ASTM D1500	L 0.5	L 0.5	L 0.5
Density @ 29.5 °C, g/ml	ASTM D7042	0.8440	0.8376	0.8580
Kinematic Viscosity @40°C, cSt	ASTM D7042	32.25	46.41	68.36
Viscosity Index, min	ASTM D2270	105	105	100
Flash Point, COC, °C, min	ASTM D92	180	180	210
Pour Point, °C, max	ASTM D97	-12	-12	-12
Total Acid Number, mg KOH/g, max	ASTM D974	1.5		
Water Separability @ 54°C, Time to reach 3 ml emulsion, minutes, max	ASTM D1401	20		
Air Release Time, minutes, max	IS 10522	7	10	15
Foaming Stability after 10 minutes settling period, Foam, ml	ASTM D892			
Seq 1 - @ 24° C		Nil	Nil	Nil
Seq 2- @ 93.5° C		Nil	Nil	Nil
Seq 3 -@ 24° C		Nil	Nil	Nil
Copper Strip Corrosion @ 100°C,3 hrs., max	ASTM D130	1	1	1
Rust Preventive Characteristics	ASTM D665B	Passes	Passes	Passes
FZG Test, (A/8.3/90) Failure load Stage	DIN 51354 - 2	12	12	12

Note: Refer the Safety Data Sheet for safety and handling guidelines for this product.

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