

HYDRASUPER HM SERIES

High Performance HLP Hydraulic Oils

DESCRIPTION

KYROS HYDRASUPER HM Series Hydraulic Oils are high quality HLP type hydraulic oils formulated from premium quality, low evaporation base oils and fortified with antiwear, 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 presence of water. Based on highly refined, ageing resistant oils, KYROS HYDRASUPER 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 2004).

Product Features & Benefits

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

APPLICATION AREAS

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

PACKING

KYROS HYDRASUPER HM SERIES oils are packed in 210 lit. steel and 27 lit. plastic containers and are also supplied in bulk containers. ISO VG viscosities 10,15,22,32,46,57 and 68. Other viscosity grades available on request.

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TECHNICAL DATA

KYROS HYDRASUPER HM SERIES		PRODUCT NAME						
PROPERTIES	TEST METHOD	HM 10	HM 15	HM 22	HM 32	HM 46	HM57	HM 68
Colour	ASTM D 1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Density@29.5°C, g/ml (TYP)	ASTM D 1298/4052	0.8223	0.8284	0.8350	0.8440	0.8376	0.8560	0.8580
Kinematic viscosity @40°C, mm ² /s	ASTM D 445/7042	9.0-11.0	13.5-16.5	20.0-24.0	28.8-35.2	41.4-50.6	51.3-62.7	61.2-74.8
Viscosity Index	ASTM D 2270	95	95	95	95	95	95	95
Flash Point, COC, °C Min	ASTM D 92	130	130	160	180	180	210	210
Pour Point, °C Max	ASTM D 97	-15	-15	-12	-6	-6	0	0
Total Acid Number, mg KOH /g Max	ASTM D 974	1.5						
Emulsion Characteristics 40-37-3, Minutes(Max)	ASTM D 1401	20						
Air Release Values minutes, Max	ASTM D 3427	5	5	5	7	10	15	15
Foaming Stability after 10 minutes settling time, foam, ml, Max	ASTM D 892							
Sequence 1, 24 ^o C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sequence 2, 93.5 ^o C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sequence 3, 24 ^o C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Copper Strip corrosion @100 ^o C/3 hrs	ASTM D 130	1 Max						
Rust Preventive Characteristics	ASTM D 665 B	Passes						
FZG Test, Stages	DIN 51354-2	12						

DISCLAIMER

The information given in this data sheet is based on extensive tests and practical experience and is given in good faith. It cannot however, provide an absolute guarantee of success in all varied areas of application. For this reason, practical trials are recommended.



For more details contact :

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