MOL-HYDRAULIC ZF HV Series

Product description:

MOL-HIDRAULICO ZF HV series are range of high viscosity index (VI) hydraulic system oils based on carefully selected ashles (zinc-free) additive system designed to meet and exceed the most demanding performance standards. Unlike conventional hydraulic fluids, these oils are manufactured by using hydrotreated base oils.

Features:

- Based on hydrotreated base oils.
- Low foaming in any condition.
- High thermal stability and ageing resistance.
- Excellent viscosity-temperature behaviour.
- High shear-stable viscosity index.
- Heavy-metal and ash-free structure.
- Very good wear protection.
- Low point pour enables the product to be used at cold climates.

Applications:

MOL-HYDRAULIC ZF HV series are intended for severely stressed hydraulic systems requiring a high level of anti-wear performance and good filtration. In addition, they exhibit excellent corrosion protection as well as outstanding thermal & oxidative stability, excellent hydrolytic stability and rapid separation from water. Their shear stable additive system helps to maintain the viscosity characteristics of the product over a wide temperature range even during prolonged use and imparts a very low pour point which enables the product to be used in very cold environments; outdoor equipment operating in wide temperature ranges, such as machineries subjected to cold start up conditions and high temperature continuous running at the off-highway and marine applications. Or indoor manufacturing equipment requiring minimal viscosity change with temperature.

Specifications:

- DIN 51502 classification - HVLP
- ISO 6743/4 - Hydraulic Oils Type HV
- DIN 51524 Part 3
- Cincinnati Lamb (Milacron P 68-69-70)
- Denison HF-0
- US Steel 126 & 127
- Eaton I-286-S & M-2950-S
- Frank Mohn
- Bosch Rexroth RE07075/RE90220

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 in 208 lit drums, 1000 lit IBCs and in bulk..

Physical and Chemical Conditions:

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MOL-HYDRAULIC ZF HV	Method	Unit	32	46	68
Appearance	Visual	-	B&C	B&C	B&C
Density @ 15°C, g/cm3	ASTM D 4052	g/cm^3	0.87	0.880	0.885
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	cSt	32	46	68
Kinematic Viscosity@ 100°C, cSt	ASTM D 445	cSt	6.3	8.1	10.8
Viscosity Index	ASTM D 2270	-	152	150	149
Flash Point, (COC), °C	ASTM D 92	^oC	222	232	240
Pour Point, °C	ASTM D 97	^oC	-39	-36	-36
Corrosion Test	ASTM D 665	Passes			
Copper Strip, 3 h, 100 °C	ASTM D 130	1 A			
FZG Test, A/8.3/90	AWTM D 51354	9			
Foam, 5 min blowing, seq. 1-2-3	ASTM D 892	50/0 – 50/0 – 50/0			

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).