Product Information

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RENOLIN ZAF HV RANGE

High viscosity index, zinc and ash free hydraulic oils

Description

The RENOLIN ZAF HV RANGE of hydraulic fluids have been developed to meet the challenge posed by hydraulic systems which are sensitive to viscosity variations, by the inclusion of shear stable viscosity stabilisers.

This range is also ideal for powering hydraulic systems working in refrigerated plant, mobile equipment, or where the system demands a fluid capable of working over a wide temperature range.

Based on high quality mineral oil, the RENOLIN ZAF HV RANGE offer excellent product characteristics including better viscosity / temperature relationship than conventional type hydraulic fluids, enhanced anti-wear, anti-oxidation, demulsification and air release properties, along with decreased sludge formation and improved wet and dry filterability.

Another major factor is their compatibility with silver plated components in hydraulic circuits.

Application

Formulated for use in hydr aulic systems which are sensitive to viscosity variations or operate in extremes of temperature.

Advantages/Benefits

- Improved wet and dry filterability
- Compatible with most mineral hydraulic oils
- Maintains performance across wide temperature spectrum
- Fully inhibited against wear, rust and oxidation
- Excellent hydrolytic stability and extremely low foaming
- Formulated with viscosity index improver, pour point depressant, anti-foam, anti-oxidant, anti-wear and rust inhibitor
- Suitable for use in equipment containing silver plated components

Specifications

- DIN 51 524-3: HVLP
- ISO 6743-4: HV

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CHARACTERISTICS: RENOLIN ZAF HV RANGE

RENOLIN ZAF....		15 HV	32 HV	46 HV	68 HV	
Characteristics	**Unit**					**Test Method**
Appearance		Clear white fluid	Clear pale yellow fluid	Clear yellow fluid	Clear amber fluid	
Hydraulic Oil Type						
ISO 6743-4		HV15	HV32	HV46	HV68	
DIN 51 524-3		HVLP15	HVLP32	HVLP46	HVLP68	
Specific gravity						IP160
at 15.6ºC		0.888	0.868	0.873	0.878	
Kinematic viscosity						IP71
at 40ºC	mm^2/s	15.5	32.0	46.0	68.0	
at 100ºC	mm^2/s	3.8	6.5	8.2	10.7	
Viscosity index		140 min.	170	160	148	IP226
Flash point (PMCC)	ºC	150	193	200	196	IP34
Copper corrosion						
3 hr at 100ºC		1	1	1	1	
Pour point	ºC	-4	-3	-3	-3	IP15

WARNING: Never mix zinc-free hydraulic fluids with those containing zinc-based additives.

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Notes

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS (UK) plc in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible.

Our products must not be used in aircraft or spacecraft. Our products may be used in manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS LUBRICANTS (UK) plc application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid. Any form of reproduction requires express prior written permission from FUCHS LUBRICANTS (UK) plc.

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