COREX HLP-D

Industrial and hydraulic oils with detergent features

Description

The MOTOREX COREX HLP-D family comprises seven different general-purpose hydraulic oils. The excellent detergent and dispersive effects of the additives used prevent malfunctions such as those that may be caused by condensed water or deposits. If the system has been contaminated with water, the water does not collect at the lowest point but instead it emulsifies with the hydraulic oil and is held in suspension. Also, thanks to the special additives it has very good surface slip characteristics, thus avoiding stick-slip operation between the individual components in the hydraulic system.

Field of application

Depending on the prescribed viscosity, the MOTOREX COREX HLP-D series is ideal for use in the hydraulic systems of NC-controlled machines tools, turbo clutches, spindles of machine tools, electric multi-disk clutches, compressors, air line lubricators (lubrication of pneumatically driven units) and vacuum pumps, etc.

Advantages

- detergent effect
- dispersive and water-absorption capability of up to 5 %
- extremely good wear-reducing properties
- rapid air release capability, good anti-foaming properties
- neutral vis-à-vis seals
- excellent corrosion protection
- miscible and compatible with other mineral-oil–based hydraulic oils

Specifications

Hydraulic oil HLP-D
Hydraulic oil HLP according to DIN 51 524/P2

Technical data

Properties	Unit	Test according to	Values						
Viscosity class	ISO VG	ISO 3448	5	10	22	32	46	68	100
Colour		DIN ISO 2049	yellow	yellow	yellow	yellow	yellow	yellow	yellow
Density at 20 °C	g/ml	ASTM D 4052	0.827	0.857	0.863	0.868	0.873	0.876	0.882
Viscosity at 40 °C	mm^2/s	DIN 51562-1	5	10	22	32	46	68	100
Viscosity at 100 °C	mm^2/s	DIN 51562-1	–	2.7	4.3	5.4	6.8	8.7	11.1
Viscosity index		DIN ISO 2909	–	108	101	102	102	99	96
Pourpoint	°C	ASTM D 5950	–	-45	-27	-27	-27	-24	-21
Flash point	°C	DIN EN ISO 2592	>140	>170	>200	>200	>200	>200	>200

Water hazard class: WGK 1
Disposal code: EWC 130110

The above information is subject to change without prior notice, although they are in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.

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