

SPINDLE LUBE OILS

Hydraulic oils Hyperclean ISO 4406 purity class 15/13/10

Description

SPINDLE LUBE OILS are ultra-fine filtered HLP-D hydraulic oils (DIN 51 524/T2). The purity class is specified as 15/13/10 in accordance with the ISO 4406 standard. They are characterised by excellent detergent and dispersing properties.

Advantages

- ultra-fine filtered of purity class 15/13/10 in accordance with ISO 4406
- special wear-reducing active ingredients
- effective EP properties
- fast air release capacity
- good anti-foaming action

Specifications

Hydraulic oil HLP-D
Hydraulic oil HLP according to DIN 51524/Part 2

Area of application

Due to their very high level of purity quality, these special hydraulic oils are used particularly for the lubrication of bearings in motor- and high frequency spindles.

Application

In order to maintain the high purity of the oil, it must be filled directly into the central lubrication unit without any auxiliary means. The container should be carefully closed immediately after use. In production stage MOTOREX Hyperclean lubricating oils correspond to purity class 15/13/10. During filling, the purity class can be affected by influences originated from the containers. Furthermore, it must be ensured that no contamination gets into the remaining oil when refilling the central lubrication system.

Technical data

Properties	Unit	Test according to	Values		
Viscosity class	ISO VG		32	46	68
Colour		DIN ISO 2049	yellow	dark yellow	dark yellow
Density at 20 °C	g/ml	ASTM D 4052	0.868	0.875	0.882
Viscosity at 40 °C	mm ² /s	DIN 51562-1	31.7	46.2	69.9
Viscosity at 100 °C	mm ² /s	DIN 51562-1	5.35	6.85	8.98
Viscosity index		ASTM D 2909	101	103	100
Pourpoint	°C	ASTM D 5950	-27	-27	-27
Flash point	°C	DIN EN ISO 2592	200	220	225

Water hazard class: WGK1
Disposal code: EWC 130110

The above information reflects the current state of the art. Measurement and production tolerances customary in the branch apply to the key data shown here. Our products undergo constant development. We therefore reserve the right to amend the data contained in this product information at any time without prior notice. MOTOREX AG accepts no guarantee whatsoever for contaminated circuits, mechanical defects or similar which are attributable to defective maintenance, failure to comply with directives, or the use of materials/substances that are not recommended. The general terms and conditions of sale and delivery (AVLB) of MOTOREX AG apply.



MOTOREX AG LANGENTHAL

Postfach, CH-4901 Langenthal, Schweiz
Tel. +41 (0) 62 919 75 75, Fax +41 (0) 62 919 76 96
www.motorex.com