



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
- marked wear-reducing active ingredients
- effective EP properties
- fast air release capacity
- good anti-foaming action
- detergent action
- special dispersion capacity and water absorption capacity of up to 5 %

Specifications

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

Area of application

With their guaranteed high level of purity, are this hydraulic oils particularly used for lubricating bearings in high-frequency spindles.

Application

Fill central lubrication system directly, without any remedies and close bottle carefully after use. In addition, it must be ensured that no dirt gets into the remaining oil when topping up the central lubrication system.

Synergy Project

"Using synergies and letting them influence products to the advantage of the user," is the maxim of the MOTOREX Synergy Project. Products that are influenced by the results of existing synergies between machine and tool manufacturers, users and MOTOREX are labelled as Synergy Projects at MOTOREX.

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: WGK2
 Disposal code: EWC 130110

Notice

When new products are used in modern production systems, it is new ground for both parties. It can be assumed, based on the results available, that the product is compatible with the materials currently used in engineering. The users and manufacturers of the product bear equal responsibility – depending on the process – for the use and suitability of the product in the manufacturing system. The "General terms of sale and delivery" of MOTOREX AG LANGENTHAL, 4900 Langenthal, Switzerland apply.

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.

