



RUBRIC HLPD 46

Hydraulic Fluid

DESCRIPTION

RUBRIC HLPD 46 is a hydraulic fluid based on mineral oil with detergent and dispersant qualities.

Its anti-wear and zinc-free (ashless) technology deliver reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids.

APPLICATIONS

RUBRIC HLPD 46 hydraulic fluid is suitable for a wide range of industrial and manufacturing applications where a high level of dispersancy is required due to water ingress or contamination.

RUBRIC HLPD 46 oil is particularly recommended for use in hydraulic systems of machine tools, where water mixed cutting fluids may enter the hydraulic system.

RUBRIC HLPD 46 fulfils the most common specifications and OEM requirements:

- DIN 51524 part 2 (HLP)
- Daimler Chrysler DBL 6721
- Ortlinghaus test for wet running clutch-brake-units according to ON 9.2.19.

ADVANTAGES

- Superior emulsification properties.
- Excellent anti-wear properties.
- Excellent foaming tendency and stability control.
- Rapid air release.
- Very good oxidation stability.
- Superior filterability.

**TECHNICAL INFORMATION**

TECHNICAL CHARACTERISTICS	UNITS	METHOD	RUBRIC HLPD 46
Base oil	-		
Aspect	-		Clear
Color	-	ASTM D1500	0,5
Density	-	ISO 12185	0,854
Viscosity at 40°C	mm ² /s	ASTM D445	46.2
Viscosity at 100°C	mm ² /s	ASTM D445	7.2
Viscosity index	-	ASTM D2270	115.0
Flash point	°C	ASTM D92	238.0
Pour point	°C	ASTM D97	-33.0
Copper corrosion	-	NFT M 07105	1a
4 Ball test - Weld load	kg	ISO 20623	240
4 Ball test - Wear scar	mm	ASTM D4172	0,49

These characteristics are given only for information and can be updated over time.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.

Important Notice

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on www.motul.com.

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.