



Product Data Sheet:

HYDRAULIC OIL HLPD 46

Product Description:

HYDRAULIC OIL HLPD 46 is a superior quality so called “detergent” hydraulic oil blended from high quality base stocks with an ashless antiwear hydraulic oil package having water tolerance and detergency properties to meet the requirements of the HLPD classification for hydraulic oils formulated primarily as heavy duty, anti-wear hydraulic oil.

HYDRAULIC OIL HLPD 46 is suitable for use in most modern hydraulic control systems incorporating a wide variety of pump designs (vane type pumps, axial piston, gear and other types of hydraulic pumps and motors) at oil pressures in the range of 70 tot 350 bar. The exceptional quality as a detergent hydraulic oil makes **HYDRAULIC OIL HLPD 46** specially suitable for use in a wide variety of applications where drain of water condensation is difficult.

HYDRAULIC OIL HLPD 46 continues to work in the presence of water (up to 2%) and is suitable for almost all types of pumps, has very high oxidation stability, excellent anti-foaming properties and provides longer life time of oil and hydraulic installation.

HYDRAULIC OIL HLPD 46 is suited for all hydraulic systems into which water, dust and abrasive particles can enter. Check with the pump manufacturer if this type of oil is recommended.

Specifications: Exceeds: DIN 51524/2 HLPD

Property:	Test Method:	Typical Values:
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	878 kg/m ³
Kinematic Viscosity @ 40°C	ASTM D7042	41.4-50.6 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042	6.8 mm ² /s
Viscosity Index	ASTM D2270	>98
Flash Point (COC)	ASTM D92	>195°C
Pour Point	ASTM D97	-18°C
FZG Fail Load Stage, minimum	DIN 51354-2	11
Air Release Value @ 50°C	DIN 51381	<5 minutes
Demulsibility @ 54°C	DIN 51599	<30 minutes

Product nr: 4366

Date Issued: 21/10/2011

Date Superseded: -
24/09/2010

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