

HYDRA POWER HLPD 46

Hydraulic Oil

HYDRA POWER HLPD 46 is a heavy duty detergent type ashless anti-wear hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

HYDRA POWER HLPD 46 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Special detergent and dispersant properties ensure smooth functioning.
- Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water.
- Superior anti-wear properties help reduce wear of mechanical components .
- High resistance to oxidation and thermal degradation.
- High foam control and rapid air release properties ensure trouble-free operations .
- Effective corrosion inhibitors provide corrosion protection in arduous service conditions.

HYDRA POWER HLPD 46 meets the following performance criteria:

DIN 51524/2 HLPD Daimler DBL 6721

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15 °C	kg/m ³	ASTM D4052	881.3
Kin. Viscosity @40 °C	mm ² /s	ASTM D7042	46.7
Kin. Viscosity @100 °C	mm ² /s	ASTM D7042	6.9
Viscosity Index		ASTM D2270	103
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
FZG Fail Load Stage, min		DIN 51354-2	12
Air Release Value @50 °C	Minutes	DIN 51381	Pass
Demulsibility @54 °C	Minutes	DIN 51599	Pass
Date Issued: 15-5-2025		Supersedes: 14-6-2021	Revision Nr.: 04

