



HYDRAULIC OIL

HVLPD 46

Product Description:

HYDRAULIC OIL HVLPD 46 is heavy duty detergent type ashless anti-wear high viscosity hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

HYDRAULIC OIL HVLPD 46 is formulated with high quality mineral base oil in combination with a special additive package to ensure the following properties.

- Special detergent and dispersant properties ensure smooth functioning of hydraulic systems by minimizing formation of sticky residues and deposits.
- 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 controls the formation of sludge & varnish and improves oil life.
- Superior foam control and rapid air release properties ensure trouble-free operations.
- Effective corrosion inhibitors provide corrosion protection in arduous service conditions.
- Superior thermo- and oxidation stability.
- High Viscosity.

HYDRAULIC OIL HVLPD 46 exceeds the following performance criteria:

MB DBL 6713

DIN 51524-2 HVLPD



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Density@15°C	kg/m ³	ASTM D4052	876.0
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	47.2
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.5
Viscosity Index		ASTM D2270	160
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-37
Air Release Value @50°C	Minutes	ASTM D3427	Pass

Product Nr: 44200

Date Superseded: 02-11-2022

Date Issued: 3-1-2025

Revision nr: 04