



HYDRAULIC OIL

HV 46

Product Description:

HYDRAULIC OIL HV 46 is an universal extreme HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HV 46 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

HYDRAULIC OIL HV 46 exceeds the following performance criteria:

DIN 51524-3 HVLP
AFNOR NF E 48-603 HV
Eaton Vickers M-2950-S / I-286

ISO 11158 HV
Cincinnati P-70

ASTM D6158 HV
Sauer Danfoss 520L0463



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Density@15°C	kg/m ³	ASTM D4052	878.8
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	46.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.2
Viscosity Index		ASTM D2270	153
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-42
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

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