



**Product Data Sheet**

# HYDRAULIC OIL HV 46

**Product Description:**

HYDRAULIC OIL HV 46 is an universal 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:

AFNOR NFE-48-603  
Cincinatti P-70

ISO 11158 HV  
Sauer Danfoss 520L0463

DIN 51524/3 HVLP  
Eaton Vickers M-2950-S/I-386

Denison HF-1

Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	875
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	47.5
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	8.6
Viscosity Index		ASTM D2270	163
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-39
Water Separability @54°C	Minutes	ASTM D1401	Pass
Demulsility @54°C	Minutes	ASTM D892	Pass

Product Nr: 4360

Date Issued: 21-10-2011

Date Superseded: 14-04-2014

Revision nr: 03