



Better engine oils
Power to protect. Power to perform.



TOP HYDROL HVI 46

PRODUCT CODE: TO3607

TOP HYDROL HVI 46 high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application. Formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

BENEFITS:

- 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.

Exceeds the following performance requirements:

- AFNOR NFE 48-603
- ISO 11158 HV
- DIN 51524/3 HVLP
- Denison HF-1
- Cincinnati P-70
- Sauer Danfoss 520L0463
- Eaton Vickers M-2950-S/I-38

TYPICAL ANALYSIS:

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15°C	kg/m ³	ASTM D4052	872
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.5
Viscosity Index		ASTM D2270	163
Flash Point COC, min	°C	ASTM D92	180
Pour Point	°C	ASTM D97	-42
FZG Fail Load Stage, min		DIN 51534-2	11
Air Release Value @50°C	Minutes	DIN 51381	Pass
Demulsibility @54°C	Minutes	DIN 51599	Pass

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