



Product Data Sheet

HYDRAULIC OIL HPV 46

Product Description:

HYDRAULIC OIL HPV 46 is an universal high viscosity index (HVI) mineral grade AW oil for use in heavy duty hydraulic systems, light duty gearboxes, bearings and general lubrication applications. This product is not suitable for the use in turbine applications.

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

- Good 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 HPV 46 meets the following performance criteria:

AFNOR NFE 48-603

ISO 11158 HV

DIN 51524/3 HVLP

Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Colour		ASTM D1500	3.5
Density@15°C	kg/m ³	ASTM D4052	859
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.7
Viscosity Index		ASTM D2270	181
Flash Point COC	°C	ASTM D92	>180
Pour Point	°C	ASTM D7346	-42
Water Separability @54°C	min	DIN 51381	Pass
Air Release Value @50°C	min	DIN 51381	Pass
Foam, Seq. I, II and III		ASTM D892	Pass
FZA A/8.3/90, Load Stage Fail		DIN 51354-2	>10

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