



**Product Data Sheet:**

# HYDRAULIC OIL XHVI 46

## Product Description:

**HYDRAULIC OIL XHVI 46** is a premium quality high-performance anti wear hydraulic oil with a very high viscosity index developed for use in high pressure hydraulic systems operating under varying temperatures where small viscosity changes with fluctuating temperatures are preferred.

**HYDRAULIC OIL XHVI 46** oil is formulated with carefully selected base stocks fortified with additives and a very shear stable viscosity index improver to impart excellent protection towards wear, rust and oxidation. The viscosity improver reduces the viscosity decrease with rising temperatures and provides excellent water demulsibility as well as de-aeration and effectively protects against rust and oxidation.

**HYDRAULIC OIL XHVI 46** is suited for severely stressed hydraulic systems requiring a high level of anti-wear performance such as in outdoor plants likely to operate in very wide variations of temperatures, such as in machinery subjected to very cold start up conditions and high temperature continuous running. Also for off highway /construction equipment and indoor manufacturing equipment that incorporates control systems requiring a hydraulic fluid whose viscosity change with temperature is minimal and for precision machine tools and copying machines.

## Specifications:

**Exceeds:** DIN 51524/3 HVLP, ISO 11158 HV, AFNOR NFE 48-603 HV, Denison HF-1, Cincinnati P-70, Eaton (Vickers) M-2950-S/I-286-S

Property:	Test Method:	Typical Values:
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	864 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042	41.4-50.6 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042	7.6 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	>250
Flash Point (COC)	ASTM D92	>175°C
Pour Point	ASTM D97	-39°C
Air Release Value @ 50°C	DIN 51381	<5 minutes
Demulsibility @ 54°C	DIN 51599	<50 minutes

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