

## HYDRA POWER ZF 46

### Hydraulic Oil

#### Product Description:

HYDRA POWER ZF 46 is a premium quality zinc free anti wear hydraulic oil developed for use in high pressure hydraulic systems operating under varying temperatures where small viscosity changes with fluctuating temperatures are preferred.

HYDRA POWER ZF 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.

HYDRA POWER ZF 46 is formulated with field proven thermally stable, zinc free based anti wear additives.

HYDRA POWER ZF 46 provides excellent water demulsibility as well as de-aeration and effectively protects against rust and oxidation.

HYDRA POWER ZF 46 can be used in hydraulic systems in stationary and mobile hydraulic systems, as well as for general machine lubrication.

#### Specifications:

Exceeds: ISO 11158 HM, DIN 51524/2 HLP, AFNOR NFE 48-603 HM  
Eaton (Vickers) M-2950-S/I-286-S, Denison HF-1, Cincinnati Lamb: P-70

Property:	Test Method:	Typical Values:
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	874 kg/m <sup>3</sup>
Kinematic Viscosity @ 100°C	ASTM D7042	6.8 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	98
Flash Point	ASTM D92	200°C
Pour Point	ASTM D97	-24°C
Air Release Value @ 50°C	DIN 51381	<5 minutes
Demulsibility @ 54°C	DIN 51599	<30 minutes