

## HYDRA POWER SYNTH 46

### Hydraulic Oil

#### Product Description:

HYDRA POWER SYNTH 46 is a premium quality ashless fully synthetic environmentally acceptable hydraulic oil developed to meet the requirements of the most demanding modern hydraulic systems in industrial and mobile service. HYDRA POWER SYNTH 46 is formulated with an advanced anti-wear technology and synthetic base stock to provide outstanding protection to hydraulic equipment.

HYDRA POWER SYNTH 46 has very good thermo-oxidative stability that reduces deposit formation, improves pump & valve performance and allows extension of oil and filter change intervals. Exceptional anti-wear property results in longer pump life and reduced maintenance costs and the naturally high Viscosity Index ensures minimum viscosity change over a wide temperature range. Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions and special rust & corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system. Rapid air release property minimises pump cavitation and prevents component damage and HYDRA POWER SYNTH 46 offers long term hydrolytic stability and yellow metal compatibility in the presence of water and is compatible with multi-metals and sealing materials commonly used in hydraulic systems.

HYDRA POWER SYNTH 46 is suited for the hydraulic systems subjected to high pressures and loads and in environmentally sensitive applications and requiring extended oil change intervals. Also in hydraulic systems in industrial and mobile service employing gear, vane and piston pumps and general machine lubrication where anti-wear hydraulic oils are recommended & in older design hydraulic pumps containing silver or silver-plated parts.

<b>Specifications:</b>		
Exceeds: ISO 11158 HM, DIN 51524/2 HLP, AFNOR NFE 48-603 HM, Denison HF-1, Cincinnati Lamb: P-70, Eaton (Vickers) M-2950-S/I-286-S		
<b>Property:</b>	<b>Test Method:</b>	<b>Typical Values:</b>
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	850 kg/m <sup>3</sup>
Kinematic Viscosity @ 100°C	ASTM D7042	7.9 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	135
Flash Point	ASTM D92	250°C
Pour Point	ASTM D97	-45°C
Total Acid Number	ASTM D664	0.3 mgKOH/g
Air Release Value @ 50°C	DIN 51381	3 minutes
Demulsibility @ 54°C	DIN 51599	15 minutes