

## HYDRA POWER SYNTH 46

### Fully Synthetic Hydraulic Oil

**HYDRA POWER SYNTH 46** is a premium quality ashless fully synthetic environmentally acceptable hydraulic oil specially developed to meet the requirements of the most demanding modern hydraulic systems in industrial and mobile services.

**HYDRA POWER SYNTH 46** is based on high quality synthetic base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermo-oxidative stability reduces deposit formation, improves pump & valve performance and allows extension of oil and filter change intervals.
- Exceptional anti-wear property.
- 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.
- Special rust & corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system.
- Rapid air release property due to non-silicone anti-foam technology to minimizes chances of pump cavitations leading to trouble free operations.
- Offers long term hydrolytic stability and yellow metal compatibility in presence of water.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.

**HYDRA POWER SYNTH 46** meets the following performance criteria:

DIN 51524/3 HLVP  
I-286-S

AFNOR NFE 48-603  
US Steel 127, 136

ISO 11158 HV  
Denison HF-1

Vickers M-2950  
Cincinnati P-70

### Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	838
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	46
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	8.0
Viscosity Index		ASTM D2270	148
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45
Demulsibility @54°C	Minutes	DIN 51599	15
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