

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 51524-2 HLP
Cincinnati P-70

ISO 11158 HM
Eaton Vickers M-2950-S / I-386

ASTM D6158 HM
ASTM D7346

AFNOR NF E 48-603 HM
Sauer Danfoss 520L0463

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15 °C	kg/m ³	ASTM D4052	838
Kin. Viscosity @40 °C	mm ² /s	ASTM D7042	46
Kin. Viscosity @100 °C	mm ² /s	ASTM D7042	8.0
Viscosity Index		ASTM D2270	148
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-45
Air Release Value @50 °C	Minutes	ASTM D3427	Pass
Demulsibility @54 °C	Minutes	ASTM D1401	Pass
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