

HYDRA POWER BIO HFDU 46

Biodegradable hydraulic fluid

HYDRA POWER BIO HFDU 46 is a premium quality biodegradable hydraulic oil for heavy duty hydraulic systems for use in applications exposed to fire hazards and/or there is risk of contamination of the environment.

HYDRA POWER BIO HFDU 46 is formulated from organic esters together with a special additive package to ensure the following performance:

- Very good fire-resistance.
- High and stable Viscosity Index.
- Excellent wear-preventing properties.
- High good activity against corrosion.
- Excellent stability against oxidation.
- Good deaerating and foam suppressing properties .
- Good compatibility with seals and gaskets made from synthetic material .
- Rapid water separation.
- Reduced harm for water and soil during use.

HYDRA POWER BIO HFDU 46 meets the following performance criteria:

ISO-L-HFDU

OECD 301B -Sturm test: >70% bio degradability

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15°C	kg/m ³	ASTM D4052	921
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	46
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	9.4
Viscosity Index		ASTM D2270	185
Flash Point COC, min	°C	ASTM D92	305
Fire Point	°C	ASTM D92	370
Pour Point	°C	ASTM D7346	-36
FZG A/8,3 90°C		DIN 51354-2	>12
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