



Product Data Sheet:

BIO-SYNTH HYDRAULIC OIL 46

Product Description:

BIO-SYNTH HYDRAULIC OIL 46 is a biodegradable hydraulic oil based on synthetic oils under addition of additives.

BIO-SYNTH HYDRAULIC OIL 46 has the following properties:

- a very high and stable viscosity index
- excellent anti-wear anti-corrosion properties
- excellent oxidation stability (even at high temperatures)
- very good anti foam properties
- good compatible with seals and gaskets made from synthetic material
- a very low pour point
- good water separation

BIO-SYNTH HYDRAULIC OIL 46 is suitable for heavy duty hydraulic systems of earthmoving equipment and permanent installations, that have to work under high pressures over a wide temperature range.

BIO-SYNTH HYDRAULIC OIL 46 is especially developed for situations where pollution of the environment is expected and where very high operating temperatures can be realised.

Specifications:

Exceeds: DIN 51524/3 HVLP, CEC-L33-T82 > 90% (3 weeks)

Property:	Test Method:	Typical Values:
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	915 kg/m ³
Kinematic Viscosity @ 40°C	ASTM D7042	46 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042	9.35 mm ² /s
Viscosity Index	ASTM D2270	182
Flash Point	ASTM D92	>200°C
Pour Point	ASTM D97	-42°C
FZG Fail Load Stage, minimum	DIN 51354-2	>12
Total Acid Number (TAN)	ASTM D664	3.31 mgKOH/g

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