

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.

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 mm²/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