

ECOSYNT HEPR 46

Biodegradable hydraulic oil (EAL)

Description

ECOSYNT HEPR hydraulic oils are based on biodegradable base oils and fulfil the biodegradability according to OECD 301 B. ECOSYNT HEPR is suitable for all hydraulic systems such as construction machinery, forestry and agricultural machinery.

[Find out more here!](#)

Product attributes

- biodegradable
- officially approved biodegradable hydraulic oil
- developed for longlife applications
- miscible and compatible with many hydraulic oils
- no static charging
- very good shear stability (stay in grade)
- hydrolytic stability (the oil does not react with water)
- excellent corrosion protection
- very good material compatibility and elastomers (even at high operating temperatures)



Field of application

ECOSYNT HEPR is suitable for all hydraulic systems such as construction machinery, forestry and agricultural machinery, etc. Hydraulic oil can also be used in equipment where biodegradability is required, such as sewage treatment plants, municipal vehicles, hydro- and wind-power plants, water vehicles and submersibles, small devices and appliances.

Recommended by Bucher Hydraulics, a leading manufacturer of hydraulic components.

Application

When changing from non-biodegradable hydraulic oils to rapidly biodegradable hydraulic fluids, the guidelines in accordance with DIN ISO 15380/A.1 and the manufacturer's specifications must be observed.

ECOSYNT HEPR is ideally suited to extended maintenance intervals (long life).

It is also miscible with mineral oil-based hydraulic oils.

Additional information

Specifications

DIN 51524-2 HLP, DIN 51524-3 HVLP-D, DIN ISO 15380, US EPA/VGP:13, CLASSIFIED AS EAL, OECD 301B, ISO 6743-4 HEPR, ISO 6743-4 HV, LIEBHERR EMT LH-00-MINIMUM-HYE, SWEDISH STANDARD SS 15 54 34

Safety & Performance

CINCINNATI MILACRON P-70,
CINCINNATI MILACRON P-68,
CINCINNATI MILACRON P-69

The above information corresponds to the current state of our knowledge. We reserve the right to make changes. The performance characteristics indicated are based on testing and production tolerances standard in this industry. A safety data sheet is available.

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Technical Data

Properties	Test according to	Unit	Values
Aspect			clear
Colour			blue
Viscosity			ISO VG 46
Density at 20 °C		g/cm3	0.846
Viscosity at -20°C	DIN 51562-1	mm2/s	1,634.0
Viscosity at 40°C	DIN 51562-1	mm2/s	45.3
Viscosity at 100°C	DIN 51562-1	mm2/s	8.5
Viscosity index	DIN ISO 2909		167.0
Flash point	DIN EN ISO 2592	°C	> 200
Pourpoint	ASTM D5950	°C	-42
Biological degradability	OECD 301B	%	> 60
FZG - test	DIN 51354		> 14

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