

ECOSYNT HEES BE 46

ISO VG 46

Rapidly biodegradable hydraulic oils

Description

ECOSYNT HEES BE hydraulic oils are rapidly biodegradable, based on saturated ester liquids, and meet the requirements for biodegradability according to OECD 301 B. The zinc-free additives ensure optimum lubrication reliability and excellent shear stability, even in elevated and very low operating temperatures.

Advantages

- rapidly biodegradable
- excellent viscosity-temperature behaviour
- excellent shear stability
- very good corrosion and non-ferrous-metal protection
- excellent protection against wear
- outstanding stability in respect of oxidation, ageing and hydrolysis
- highly durable
- good air release

Field of application

ECOSYNT HEES BE is suitable for all hydraulic systems that require a sustainable, rapidly biodegradable hydraulic oil, such as in truck with trailer, on building sites, in gravel pits, underground mining, forestry, agricultural and gardening operations, in alpine regions, sewage treatment plants, municipal vehicles, hydropower and wind power plants, watercraft and underwater vehicles, small appliances and equipment.

Application

It is essential to follow the guidelines in accordance with DIN ISO 15380/A.1 and the manufacturer's specifications when changing from conventional hydraulic oils to rapidly biodegradable hydraulic fluids.

Specifications

RAL-UZ 178 (Der Blaue Engel); DIN ISO 15380; DIN 51524-2 HLP; DIN 51524-3 HVLP

Notes

- Keep out of reach of children
- Do not dispose of unused product down the drain, into the watercourse or into the soil
- Any leftover product must be disposed of at a municipal hazardous waste collection point
- Recycle containers only if they are completely free of all leftover product



Technical data

Properties	Unit	Test according to	Values
Colour			green
Density at 20 °C		ASTM D4052	0.921
Viscosity at 40 °C	mm ² /s	DIN 51562-1	45.1
Viscosity at 100 °C	mm ² /s	DIN 51562-1	7.98
Viscosity index		DIN ISO 2909	150
Pourpoint	°C	ASTM D5950	-60
Flash point C.O.C.	°C	DIN EN ISO 2592	>200
Biological degradability	%	OECD 301 B	>75

European waste code: 13 01 12 / Water hazard class: 1

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.

10.02.17-FB23N00808-12



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