

Technical Data Sheet



Divinol HE 46

Product description

- based on synthetic and biologically degradable ester as well as powerful eco-friendly additive combinations
- offers excellent oxidation stability, corrosion and low temperature properties as well as EP behaviour
- due to its high viscosity index the product covers the ISO-VG classes from 32 to 68
- awarded with the EU Ecolabel, registration number DE/027/109
- Biodegradability: The limit value according to OECD 301 B was reached within 28 days

Specification

DIN ISO 15380 (HEES); DIN 51524-3 (HVLP)

Characteristics

Colour / Appearance:	clear, yellow
Density/15°C / DIN EN ISO 12185:	920 kg/m ³
Viscosity/0°C / ASTM D 7042 :	370 mm ² /s
Viscosity/40°C / ASTM D 7042 :	46 mm ² /s
Viscosity/100°C / ASTM D 7042 :	10 mm ² /s
Viscosity index / ASTM D 2270 :	190
Flash point (Cleveland) / DIN ISO 2592:	260 °C
Pour point / DIN ISO 3016:	-42 °C
Corrosion effect on copper / DIN EN ISO 2160:	1b
Water hazard class, concentrate:	1 - slightly hazardous to water

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Application

Divinol HE 46 is used in hydraulic aggregates which operate at widely different ambient temperatures and if there is a risk of leakage and the oil could get in contact with the soil or the ground water. The main fields of application are machinery and equipment for agriculture and forestry, the construction industry, water management as well as vehicles on landfills or ski slopes.

The oil should be changed according to the thermal load and according to the specifications of the producer. If **Divinol HE 46** is mixed with mineral oil the biodegradability will be reduced. Therefore, when the mineral oil is changed to **Divinol HE 46**, the aggregate to be filled should be completely emptied before and rinsed as much as possible. Should the content of residual mineral oil be too high it can lead to a deteriorated foaming behaviour.

We recommend, therefore, to consider the requirements of the VDMA 24569 as well as the conversion guidelines of the machine manufacturers when changing to biologically quickly degradable hydraulic fluids.

Compared to products based on vegetable triglyceride, **Divinol HE 46** has a significantly better high-temperature oxidation stability.

Storage

Divinol HE 46 is stable for 12 months minimum.

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