

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
- Biodegradable according to OECD 301 B: 98,5 % 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:	> 240 °C
Pour point / DIN ISO 3016:	< -35 °C
Corrosion effect on copper / DIN EN ISO 2160:	1b
Water hazard class, concentrate:	not hazardous to water

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Application

Divinol HE 46 is used in hydraulic aggregates which are working under different climate conditions and if there is a danger of leakage and the oil could get in contact with the ground or the ground water.

It is mainly used in machines working in the agriculture and forestry, building or water economy as well as for vehicles used at dumping grounds or on ski runs.

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 residue quantity of mineral oil the biological degradability will be reduced. Therefore, the aggregate in question should always be emptied and rinsed thoroughly before changing from. Should the content of mineral oil be too high it may lead to worse foaming characteristics.

We recommend following the requirements of the VDMA 24569 when changing to a biologically degradable hydraulic fluids.

In comparison to products based on vegetable tri-glycerides **Divinol HE 46** shows significantly better high temperature-oxidation stability.

Storage

Divinol HE 46 is stable for 12 months minimum.

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