



TECHNICAL DATA SHEET

Divinol HE 46

Synthetic and biologically degradable ester used in hydraulic aggregates or machines working in agriculture, construction, forestry and other sectors.

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
- + Biodegradability: The limit value according to OECD 301 B was reached within 28 days
- + Divinol HE 46 is awarded with EU- Ecolabel DE/027/268



CHARACTERISTICS

Colour / Appearance clear, yellow

Density/15°C / DIN EN ISO 12185 920 kg/m³

Viscosity/0°C / ASTM D 7042 370 mm²/s

Viscosity/40°C / ASTM D 7042 46 mm²/s

Viscosity/100°C / ASTM D 7042 9 mm²/s

Viscosity index / ASTM D 2270 185

48800

03/2023-48800-22

The information contained in this document (the "Product Specification") is based on our present knowledge. They do not exempt the processor or user from carrying out its own tests. Properties of the product going beyond the above-mentioned specifications and/or suitability for a specific purpose cannot be derived from the product specification and are not owed. Any existing legal provisions and regulations concerning the handling and use of the products must be observed by the processor or user of our products. We expressly point out that the owed quality of our product is measured exclusively on the basis of the properties warranted in this document; the fulfillment of additional legal objective quality requirements is not owed. By ordering our product without objection, being aware of this product specification, you agree to it.



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Flash point (Cleveland) / DIN ISO 2592	> 260 °C
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Pour point / ASTM D 7346	< -30 °C
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Corrosion effect on copper / DIN EN ISO 2160	1
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SPECIFICATION

- + DIN ISO 15380 (HEES)
- + DIN 51524-3 (HVLP)
- + VDMA 24568

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

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Divinol HE 46 is stable for 12 months minimum.

Benefit from our service, we will gladly advise you and develop individual application recommendations for your process. Please also note the material safety data sheet.

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3 / 3