



TECHNICAL DATA SHEET

Divinol SynthoHyd Eco 46

Fully synthetic, biodegradable multigrade hydraulic oil

PRODUCT DESCRIPTION

- + biodegradable multigrade hydraulic oil (OECD 301B) based on polyalphaolefins (PAO)
- + the use of a high-quality zinc/ash-free additive combination ensures excellent corrosion and wear protection as well as improved aging behavior
- + ideally suitable for extended oil change intervals
- + excellent low and high temperature behavior
- + due to the high viscosity index, the product has a multigrade character and covers the ISO VG classes 32 - 68
- + Divinol SynthoHyd Eco 46 is awarded with EU- Ecolabel DE/027/268 & Austrian Ecolabel & Swedish Ecolabel Swedish Standard SS 155434



CHARACTERISTICS

Colour / Appearance	yellowish, clear
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Density/15°C / DIN EN ISO 12185	0,84 g/cm ³
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Viscosity/40°C / ASTM D 7042	46 mm ² /s
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Viscosity/100°C / ASTM D 7042	8 mm ² /s
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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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Viscosity index / ASTM D 2270	> 155
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Flash point (Cleveland) / DIN ISO 2592	240 °C
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Pour point / ASTM D 7346	-39 °C
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Corrosion effect on copper / DIN EN ISO 2160	1a
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FZG test A/8.3/90 / DIN 51 354/2	14
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SPECIFICATION

DIN 51524-3 (HVP); ISO 15380 - HEPR; EU Ecolabel (DE/027/268); Austrian Ecolabel; Swedish Standard SS 155434

DIVINOL RECOMMENDATION

Caterpillar BF1/BF2; Liebherr EMT acc. LH-00-HYE; Palfinger; Komatsu BO 46 G4 (KES 07.872); Komatsu HO56-HE; Parker Denison HF-0/HF-1/HF-2; EATON E-FDGN-TB-002-E; Eaton Brochure 03-401-2010 Rev.1; Engel; KraussMaffei

APPLICATION

Divinol SynthoHyd Eco 46 is used in heavy-duty hydraulic units that work in different climatic conditions. This includes the entire range of mobile hydraulics, such as forestry and construction machinery, transport vehicles and stationary outdoor systems such as scrap presses, lock gates, loading units, etc. Of course, the high-quality hydraulic oil of the latest generation **Divinol SynthoHyd Eco 46** can also be used in machine shops, such as for injection molding machines. Even with high temperature fluctuations and when starting up hydraulic systems from minus temperature ranges, maximum uniformity is achieved with **Divinol SynthoHyd**

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Eco 46 in the operating behavior of the systems. We recommend observing the requirements of VDMA 24569 and the machine manufacturer's conversion guidelines when converting to **Divinol SynthoHyd Eco 46**. The product is compatible with mineral oil-based hydraulic oils and ester-based bio-hydraulic oils.

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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