

TECHNICAL DATA SHEET

Divinol Bio*-Hydraulik

Biodegradable, synthetic high performance hydraulic oil based on saturated esters

PRODUCT DESCRIPTION

- + on basis of synthetic, biodegradable, fully saturated esters 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
- + zinc-free
- + Divinol Bio*-Hydraulik is awarded with EU- Ecolabel DE/027/268

* The term „bio-lubricant“ or „bio“ refers to a corresponding environmental label or a corresponding OECD 301 test.

**CHARACTERISTICS**

Colour / Appearance clear, light-brown

Density/15°C / DIN EN ISO 12185 930 kg/m³

Viscosity/0°C / ASTM D 7042 380 mm²/s

Viscosity/40°C / ASTM D 7042 46 mm²/s

Viscosity/100°C / ASTM D 7042 7.8 mm²/s

28370

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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	149
Flash point (Cleveland) / DIN ISO 2592	280 °C
Pour point / ASTM D 7346	-39 °C
Corrosion effect on copper / DIN EN ISO 2160	1b

SPECIFICATION

- + DIN ISO 15380 (HEES)
- + DIN 51524-3 (HVLP)
- + VDMA 24568, VDMA 24570
- + Swedish Standard SS 15 54 34 category V (Dry ASTM D943)
- + Eaton Brochure 03-401-2010 (Dry ASTM D943)
- + JCMAS P042 HKB
- + Parker Denison HF-1, HF-2, HF-6 (Dry ASTM D4310)
- + USDA Biopreferred®
- + US Vessel General Permit (VGP)

APPLICATION

Divinol Bio*-Hydraulik can be used without any problems for hydraulic systems in the forestry and construction or machine industry in environmentally sensitive areas.

Among others, **Divinol Bio*-Hydraulik** is suitable for:

- + Harvesters and other forest machinery
- + Excavators and trucks for example in water protection areas
- + Fork lifts, telescopic handler or cranes
- + Compressors
- + in the water industry for weir hydraulics

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Should **Divinol Bio*-Hydraulik** be filled into a hydraulic system in which mineral hydraulic oil was previously used, any deposits in the hydraulic system may dissolve. Before using **Divinol Bio*-Hydraulik** rinse the hydraulic system and empty it completely - do not mix with mineral hydraulic oil.

When changing to biodegradable hydraulic fluids, please regard the requirements of the VDMA 24569 as well as the instructions of the machine manufacturers.

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