Technical Data Sheet

Divinol Bio-Hydraulik

Product description

Divinol Bio-Hydraulik combines modern requirements for biodegradable hydraulic oils in one product. **Divinol Bio-Hydraulik** is a synthetic, biodegradable hydraulic oil based on saturated esters. Furthermore the high-performance character of the product regarding aging, corrosion as well as wear properties and the wide temperature range with a well balanced viscosity behavior are a benefit of **Divinol Bio-Hydraulik**. The synthetic base oil character of **Divinol Bio-Hydraulik** at higher operating temperatures prevents gumming or depositing due to thermal oil aging. **Divinol Bio-Hydraulik** is based on renewable resources and biodegradable according to OECD 301B, is free of zinc and awarded with the ECOLABEL EUROMARGERITE (UK/27/010) the EU and Austrian Ecolabel.

Other features of **Divinol Bio-Hydraulik** are:

- ISO Viscosity class 46, covers also ISO 32 and ISO 68
- higher power reserves than conventional hydraulic oils
- extended service life
- excellent viscosity-temperature behavior
- good low temperature properties
- not aggressive to sealings
- top anti aging properties
- product for rationalization, enables efficient stock management

Specification

- exceeds DIN ISO 15380 HEES
- VDMA 24568
- DIN 51524-2 excluding wet ISO4263-1
- DIN 51524-3 excluding wet ISO4263-1
- Swedish Standard SS155434
- Ecolabel Euromargerite
- Austrian Ecolabel

Characteristics

Appearance:	slightly brown
Colour / DIN ISO 2049:	1
Viscosity/0°C / ASTM D 7042 :	380 mm²/s
Viscosity/40°C / ASTM D 7042 :	46 mm²/s

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Viscosity/100°C / ASTM D 7042 :	8.1 mm²/s
Viscosity index / ASTM D 2270 :	145
Density/15°C / DIN EN ISO 12185:	0,930 g/cm³
Pour point / DIN ISO 3016:	< -36 °C
Corrosion effect on copper / DIN EN ISO 2160:	1B
Flash point (Cleveland) / DIN ISO 2592:	280 °C
Composition:	satured ester with specific additives

Application

Divinol Bio-Hydraulik can easily be used for hydraulic systems in forestry, construction or engineering industry in environment sensitive areas. Among others, **Divinol Bio-Hydraulik** is suitable for:

- Harvesters and other forestry
- Excavators and trucks for example in water protection areas
- Fork lifts, telescop loaders and cranes
- Compressors
- Water weir hydraulics

If **Divinol Bio-Hydraulik** is used in a hydraulic system, which was previously working with mineral hydraulic oil, **Divinol Bio-Hydraulik** can dissolve existing deposits in the hydraulic system. Before using **Divinol Bio-Hydraulik** rinse the hydraulic system and empty it completely - do not mix with mineral hydraulic oil. When changing to biodergradable hydraulic fluids, please regard the requirements of the VDMA 24569 as well as the instructions of the machine manufacturers.

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