



## Product Information 08.10.14

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### Perlus Biosynth 46

#### Description

Perlus Biosynth 46 is an extremely modern, biodegradable, hydraulic oil, based on synthetic esters. The latest additives technology, combined with synthetic base oils, provide Perlus Biosynth 46 with the following special properties:

- Outstanding wear and corrosion resistance: long and reliable service life of hydraulic components
- A high and stable viscosity index: ensures that the hydraulic system operates consistently, whatever the temperature conditions
- Does not affect seals: no risk of leakage
- Rapid air-release and a low tendency to foam: high level of reliability
- Stable oxidation, even at a high temperature: long-life hydraulic oil
- Effective water repellence

#### Application

Perlus Biosynth 46 is ideally suited to heavy-duty hydraulic systems that are required to operate under high pressures and within a wide temperature range. This hydraulic oil has been developed for situations in which environmental pollution can be expected in combination with prolonged high operating temperatures.

#### Specifications

EU Ecolabel

Swedish Standard SS 15 54 34

ISO 15380 HEES

Biodegradability according OECD 301 B > 70%

Elastomer compatibility:

Tested Nitrile Butadiene NBR1-pass

Tested Fluor Carbon FMK2-pass

#### Typicals

Density at 15 °C, kg/l	0,919
Viscosity 40 °C, mm <sup>2</sup> /s	47,00
Viscosity 100 °C, mm <sup>2</sup> /s	9,35
Viscosity Index	192
Flash Point COC, °C	292
Pour Point, °C	-33
Acid number, mgKOH/g	1,31
Conductivity, pS	26

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**Available packagings**



37512  
15 L Bag in  
Box



36571  
20 L Bag in  
Box



57016  
20 L pail



32032  
20 L can



12164  
60 L drum



12261  
208 L drum



12282  
1000 L IBC

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