

# Blahydrol HEPR 46

Art. 27550-01

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**Description:** Blahydrol HEPR 46 is a biodegradable hydraulic oil, specially developed to combine the technical performance of traditional hydraulic oils and sustainability without compromise. For the construction industry, forestry, agriculture and municipal vehicles.

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**Application area:** Hydraulic medium with a wide service temperature range in construction machinery, transportation, construction, forestry, agricultural and municipal vehicles, hydrostatic drives, hydraulic transmissions and hydraulic stationary systems in industry and commerce. It can be used when environmentally friendly properties are required without sacrificing performance.

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## Product characteristics

- Biodegradable according to OECD 301 B
- Very good filterability and air release capacity
- The formulation ensures reduced reduced groundwater and soil load compared to mineral hydraulic oil
- High-performance hydraulic oil
- Excellent electrical conductivity
- Wide temperature application range
- Optimized corrosion protection
- Very good sealing and material compatibility
- Miscible and compatible with hydraulic mineral and synthetic oil based

## Benefits

- Recommended and very suitable for use in ecologically sensitive areas such as water protection areas, agriculture and forestry, municipal sector, etc.
- Best possible operational safety due to system availability and consistent performance without unplanned downtimes
- The lowest possible risk to living organisms and the plant world, considering the technical load compared to mineral application requirements
- Ideally suited for hydraulic systems with highest requirements
- No damage to the equipment due to conductivity static charging, resulting in, among other things extended oil change intervals
- Enables a very wide range of applications
- Highest possible operational reliability of the hydraulic systems components such as pumps, valves, cylinders, motors, etc.
- Very low risk of damage to components due to sealing defects, reduced maintenance effort. Wider range of application of the oil, due to the high compatibility
- Enables refilling without major effort

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**Specifications:**

- ISO 15380 HEPR
- DIN 51524-2 HLP
- DIN 51524-3 HVLP

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**Physical-chemical data:** see reverse

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ISO 9001/14001/45001 certified

## Physical-chemical data:

	Standard	Units	
<b>Color</b>			colorless
ISO-VG class	DIN ISO 3448		46
Viscosity at 40°C	DIN 51659-2	mm <sup>2</sup> /s	46
Viscosity at 100°C	DIN 51659-2	mm <sup>2</sup> /s	8.46
Viscosity index	DIN ISO 2909		163
Density at 20°C	DIN EN ISO 12185	g/ml	0.839
Pourpoint	DIN ISO 3016	°C	-51
Flash point	DIN EN ISO 2592	°C	240
Brugger test	DIN 51347	N/mm <sup>2</sup>	20
Filterability	ISO 13357	%	Level I: 101 Level II: 100

## Application note:

To utilize the full performance of the Blahydrol HEPR 46, we recommend a quick change after mixing, refilling, etc. for a clean operation.  
Mixing mineral oil no longer guarantees biodegradability.

## Oiling instructions (from Blahydrol HEES 46):

- The Blaser Swissslube Technical Service is available for technical application suitability tests.
- When changing over to Blahydrol HEPR 46, the system should be completely drained and flushed to ensure the full effect of the biodegradability and the full performance of the product. Blahydrol HEPR 46 is miscible and compatible with residual quantities of mineral oil-based or synthetic hydraulic oil HLP and HVLP (DIN 51524-2/3) remaining in the system.
- Blahydrol HEPR 46 presents an exceptional compatibility with the elastomers normally used (seals, hoses, bladders of accumulators, etc.). Nevertheless, it is recommended to check seals, hoses, accumulators etc. during inspections/repairs.

## Safety and environmental aspects:

ADR/RID:  
Precautionary measure:

Water hazard class:  
LVA/EU waste code:  
CH waste code:

Classification and labeling:

No dangerous goods  
Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms  
Slightly hazardous to water (WGK 1)  
13 01 10  
Identical to the EU waste code (according to VeVA of 01.01.06)  
See safety data sheet



## Container sizes:

Drum: 208 l      Canister: 25 l, 5 l

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