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# RAVENOL Bio-Hydraulikoel HEES 32

**Kategorie:** Other hydraulic oil

**Artikelnummer:** 1321104

**Viscosity:** 32

**Specifications:** Rexroth Bosch Group RE / RD 90221-01/02.10., Swedish Standard 15 54 34, Technical Research Institute

**Oil type:** Synthetic

**Recommendations:** ISO 15380, VDMA 24532

**Application:** Industry, Agricultural machinery

**RAVENOL BIO-Hydraulikoel HEES 32** is based on synthetic, easily biodegradable ester and a powerful, environmentally friendly combination of additives which gives the product excellent properties regarding oxidation stability, corrosion, low temperatures as well as EP behaviour.

Compared with products of vegetable triglyceride base, **RAVENOL BIO-Hydraulikoel HEES 32** has much better high temperature oxidation stability.

## Application instructions

**RAVENOL BIO-Hydraulikoel HEES 32** is used wherever there is the danger of hydraulic fluid leaking into the ground or waste water. This includes all equipment operating in or near areas of water purification or water protection or near surface water, such as e.g. sewage treatment plants, dredging ships and floating dredges, lock hydraulics and river weirs, pipe and tunnel diving machines, - hydraulic aggregates in forests and on plains, earth moving machines in water collecting areas, forestry machines.

## Characteristics

- Meets the requirements of the Federal Ministry for consumer protection, alimentation and agricultureregarding good biodegradability and technical specifications.
- On account of the used raw materials, **RAVENOL BIO-Hydraulikoel HEES 32** is classified as waterpolluting class NWG (not water-polluting) – German classification.

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		gelbbraun	VISUELL
Part of renewable raw materials (radio carbon meth	%	80	ASTM D3266
Seq. I at 24 °C	ml/ml	10/0	ASTM D892
Seq. II at 93,5 °C	ml/ml	5/0	ASTM D892
Seq. III at 24 °C after 93,5 °C	ml/ml	5/0	ASTM D892
Viscosity at 100 °C	mm <sup>2</sup> /s	7,25	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	32,0	DIN 51562-1
Viscosity Index VI		248	DIN ISO 2909
Copper Strip Test at 121 °C		1a	ASTM D130
Density at 20 °C	kg/m <sup>3</sup>	908,0	EN ISO 12185
Flashpoint	°C	260	DIN EN ISO 2592
Air release at 50 °C, max.	min.	1	DIN ISO 9120
Pourpoint	°C	-30	DIN ISO 3016