

Product information

No. 33860000

BIO-Hydrauliköl HEES 32

DE/027/021



KAJO-BIO-Hydraulic oil HEES 32 is based on selected synthetic, highly biodegradable ester and a high-performing, environmentally friendly combination of additives.

KAJO-BIO-Hydraulic oil HEES 32 is free of zinc. It provides excellent oxidation stability, corrosion and extreme pressure protection as well as low temperature properties.

KAJO-BIO-Hydraulic oil HEES 32 meets with all technical minimum requirements according to VDMA 24568 and ISO 15380. Corresponding to VwVwS of 17. May 1999, KAJO-BIO-Hydraulic oil HEES 32 is classified as not water-polluting.

KAJO-BIO-Hydraulic oil HEES 32 is entitled to carry the environmental label Blauer Engel (blue Angel) according to RAL-UZ 178.

KAJO-BIO-Hydraulic oil HEES 32 is marked with the European Ecolabel (registration no. DE/027/021). Apart from technical requirements, this regulation stipulates the part of renewable raw materials.

Practical advantages:

KAJO-BIO-Hydraulic oil HEES 32 is used in areas risky to hydraulic fluid leaking into the ground or waste water. This includes all technical equipment operating in or near areas of water purification or water protection or near surface water, such as e.g.

- 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

Approvals:

- Rexroth Bosch Group:
RE / RD 90221-01/02.10
- SP Technical Research Institute,
Sweden (Swedish Standard 15 54 34)

Version 3

Revised: 17.02.2015 DR/MJ/Pos/T.

All ratings are average values and are subject to production-related variations.

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Typical characteristics:

Properties	Value	Unit	Norm
Viscosity class	32	ISO VG	DIN 510519
Kinem. Viscosity at 40 °C at 100 °C	32,0 7,25	mm ² /s	DIN EN ISO 3104
Viscosity index	200		DIN ISO 3104
Density at 15 °C 20 °C	911 908	Kg / m ³	DIN EN ISO 12 185
Pour point	-30	°C	ASTM D 97
Flash point	> 250	°C	DIN EN ISO 2592
Copper-corrosion 3h/100 °C	1A		DIN EN ISO 2160
Foam Seq. I	10/0	ml	ASTM D 892
Foam Seq. II	5/0	ml	ASTM D 892
Foam Seq. III	5/0	ml	ASTM D 892
Air release, 50 °C, max.	1	min	ISO 9120
Part of renewable raw materials	80	%	ASTM D 6866 Radio Carbon Method C ¹⁴

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