

Product information

No. 33861000

BIO-Hydraulic oil HEES 68



KAJO-BIO-Hydraulic oil HEES 68 is based on selected synthetic, easily biodegradable ester and a strong, environmentally friendly combination of additives.

KAJO-BIO-Hydraulic oil HEES 68 is zinc-free. It offers excellent oxidation stability, corrosion, EP protection and low temperature behaviour.

KAJO-BIO-Hydraulic oil HEES 68 complies with all technical minimum requirements according to VDMA 24568 / ISO 15380.

KAJO-BIO-Hydraulic oil HEES 68 is classified as not hazardous to water according to VwVwS dated 17. May 1999.

KAJO-BIO-Hydraulic oil HEES 68 is entitled to carry the environmental label Blauer Engel (blue Angel) according to RAL-UZ 178.

KAJO-BIO-Hydrauliköl HEES 68 is marked with the Ecolabel of the European Union, registration no. DE/027/023. Apart from the technical requirements, this label stipulates the part of the renewable raw materials.

Practical advantages:

KAJO-BIO-Hydraulic oil HEES 68 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.

- 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)

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Typical characteristics:

| Properties | Value | Unit | Norm |
|-------------------------------------|-------|--------------------|-------------------|
| Viscosity class | 68 | ISO VG | DIN 51 519 |
| Kin. viscosity at 40 °C | 68,0 | mm ² /s | DIN ISO 3104 |
| Kin. viscosity at 100 °C | 12,7 | mm ² /s | DIN ISO 3104 |
| Viscosity index | -- | -- | DIN ISO 3104 |
| Density at 15 °C | 923 | kg/m ³ | DIN EN ISO 12 185 |
| Density at 20°C | 920 | kg/m ³ | ASTM D 97 |
| Pour point | -39 | ° C | DIN ISO 3016 |
| Flash point | 300 | ° C | DIN EN ISO 2592 |
| Copper corrosion | 1 A | -- | DIN EN ISO 2160 |
| Foam behavior SEQ I | 10/0 | ml | ASTM D 892 |
| Foam behavior SEQ II | 5/0 | ml | ASTM D 892 |
| Foam behavior SEQ III | 10/0 | ml | ASTM D 892 |
| Air release, 50° C, max. | 2 | min | ISO 9120 |
| Radio Carbon Method C ¹⁴ | 85 | % | ASTM D 6866 |