

Product information

No. 33840000

KAJO-BIO-Hydrauliköl HEES 46

EU Ecolabel: DE/027/002



KAJO-BIO-Hydrauliköl HEES 46 is based on selected synthetic and easily biodegradable ester combined with an especially efficient and environmentally friendly combination of additives.

KAJO-BIO-Hydrauliköl HEES 46 is free of zinc. It offers an excellent oxidation stability, corrosion / EP protection and low-temperature behavior.

KAJO-BIO-Hydrauliköl HEES 46 meets the minimum technical requirements according to VDMA 24568 und ISO 15380. **KAJO-BIO-Hydrauliköl HEES 46** is classified as not hazardous to water according to VwVwS dated 17. May 1999.

KAJO-BIO-Hydrauliköl HEES 46 is marked with the environmental label „Blauer Engel“, according to RAL-UZ 178.

KAJO-BIO-Hydrauliköl HEES 46 is marked with the Ecolabel of the European Union, registration no. DE/027/002. Apart from the technical requirements, this label stipulates the part of the renewable raw materials.

Practical advantages:

KAJO-BIO-Hydrauliköl HEES 46 can be applied in all areas prone to discharging hydraulic liquids getting into the ground water or into the sewage, among them technical devices working for water clearance, in water protection areas or in the area of surface water.

- dredgers
- watergates / stream wears
- pipe and tunnel driving
- hydraulic aggregates in fields and forest
- earth-moving equipment in water
- forest tools

Approvals:

- Rexroth Bosch Group:
RE / RD 90221-01/02.10
- SP Technical Research Institute, Sweden
(Swedish Standard 155434).

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Typical characteristics

| Properties | Value | Unit | Norm |
|-------------------------------------|-------|--------------------|-------------------|
| Viscosity class | 46 | ISO VG | DIN 51 519 |
| Kin. viscosity at 40 °C | 46,0 | mm ² /s | DIN ISO 3104 |
| Kin. viscosity at 100 °C | 9,45 | mm ² /s | DIN ISO 3104 |
| Viscosity index | 190 | -- | DIN ISO 3104 |
| Density at 15 °C | 923 | kg/m ³ | DIN EN ISO 12 185 |
| Density at 20°C | 917 | kg/m ³ | ASTM D 97 |
| Pour point | -33 | ° 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 |