



meguinfo

Artikel Nr. 2294.009

Stand: 99.09

megol hydraulic oil HEES 46 (biologically degradable)

megol hydraulic oil HEES 46 (biologically degradable) is a hydraulic oil based on high quality synthetic esters. The product offers excellent viscosity-temperature properties. It can be used all year round thanks to its excellent low temperature properties. Its EP additives and polar adhesion capacity provide outstanding wear protection and very good protection against rust and corrosion. It is toxicologically safe, completely biologically degradable and miscible with all mineral oil-based products but not water-soluble. megol hydraulic oil HEES 46 (biologically degradable) is particularly suitable for use in the hydraulic systems of equipment that is primarily used outdoors or where there is a high risk of pollution by leakage, such as mobile cranes and excavators for agricultural and forestry use, floating excavators, lock gate hydraulic systems, ski piste equipment, etc.

Specifications/Approvals: Hydraulic oil to VDMA 24568 – HEES 46
 Hydraulic oil to DIN 51524 – HLP 32-68
 Hydraulic oil to DIN 51524 – HVLP 46

Characteristic data

Approx. values

Characteristic data	Approx. values
ISO Viscosity class	DIN 51519 VG 46
Viscosity at 0 °C	DIN 51562 mm ² /s 350
Viscosity at 40 °C	DIN 51562 mm ² /s 48
Viscosity at 100 °C	DIN 51562 mm ² /s 9.4
Viscosity index	DIN ISO 2909 188
Destiny at 15 °C	DIN 51757 kg/m ³ 915
Flash point	DIN ISO 2592 °C 320
Pour point	DIN ISO 3016 °C -36
Air release behavior at 50 °C	DIN 51381 min. < 5
Demulsifying power at 54 °C	DIN 51599 min. 40
Ash, oxide	DIN EN 7 g/100g < 0.01
Content of asphaltenes	DIN 51595 g/100g m.n.n.*)
Content of undissolved substances	DIN 51592 g/100g m.n.n.*)
Water content	DIN ISO 3733 g/100g m.n.n.*)
Neutralization number, acid	DIN 51558 part 1 mg KOH/g 0.5
Corrosion effect on steel	sealing DIN 51585 corr.-size
Corrosion effect on Cu	material SRE- DIN 51759 corr.-size
Foaming property	NBR 1 DIN 51566

Behavior against

Shanghai Jichuan Trading Co.,Ltd.

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0-A	S1B-30/0	S3B-30/0	
1-100 A3	S2B-50/0		
according to DIN 53538 part 1	volume change	vol.-%	+10
after 7 days at 100 °C	hardness change	shore	-6
FZG gear short test	DIN 51354		
Normal test A/8.3/90	demage-strength-grandates		>12
	specific gravity change	mg/KWh	< 0.27
Vickers pump test	V 105 C		
Wear according to 250 h	ring	mg	< 50
	wing	mg	< 10
Biodegradability			
after 21 days	CEC L-33-T-82	%	> 90
Rating according to water endangering class			1

*) m.n.n. = quantity not detectable

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