



meguinfo

Article no. 2204.000

Date: 01/09

megol Hydraulikoel HLP 46

HLP hydraulic oils are mineral oils that are used as pressure fluids in hydraulic systems. They contain active ingredients to increase ageing resistance, anti-corrosive properties and EP properties. As a result of these additives they satisfy all requirements and are primarily used in hydraulic systems in which high thermal stresses occur, corrosion can form due to water and whose pumps or hydraulic motors require oil types with wear protection agents for mixed friction as a result of the operating conditions.

Approvals / Specifications: Hydraulic oil DIN 51524 – HLP 46
Hydraulic oil SEB 181 222 – HLP 46

Characteristic data

Approx. values

ISO viscosity class	DIN 51519		VG 46
Viscosity at 0°C	DIN 51562	mm ² /s	600
Viscosity at 40°C	DIN 51562	mm ² /s	46
Viscosity at 100°C	DIN 51562	mm ² /s	6.7
Viscosity index	DIN ISO 2909		97
Colour pursuant to ASTM	DIN 51578		2.5
Density at 15°C	DIN 51757	kg/m ³	880
Flash point	DIN ISO 2592	°C	226
Pour point	DIN ISO 3016	°C	-25
Ash, oxide	DIN EN 7	g/100 g	0.16
Ash, sulphate	DIN 51575	g/100 g	0.17
Coke residue using the Conradson method with ash	DIN 51551	g/100 g	0.18
Content of asphaltenes	DIN 51595	g/100 g	m.n.n. *)
Content of undissolved substances	DIN 51592	g/100 g	m.n.n. *)
Water content	DIN ISO 3733	g/100 g	m.n.n. *)
Neutralisation index, acid	DIN 51558 Part 1	mg KOH/g	0.5
Corrosive effect on steel	DIN 51585	degree of corrosion	0-B
Corrosive effect on copper		after	
Ageing properties	Properties against	7 days at 100°C	
Neutralisation index after 100 h	sealing material	Motor vehicle brief gear test	
Foaming properties	SRE-NBR 1	Standard test A/8.3/90	
	persuant to		
	DIN 53538 part 1	Vickers pump test	

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Wear after 250 h	DIN 51759	degree of corrosion	1-125 A3
Water hazard class (WGK)	DIN 51587	mg KOH/g	< 2
*) m.n.n. = Quantity not detectable	DIN 51566		S1B-30/0 S2B-50/0 S3B-30/0
	Change in volume	%-by-vol.	+ 3.5
	Change in hardness	Shore	- 2.0
	DIN 51354		12
	Failure load level		< 0.27
	Unit weight change	mg/kWh	
	V 105 C		
	Ring	mg	50
		mg Blade	12
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