



meguinfo

Art.-Nr. 2206.000

Stand: 01.09

megol Hydraulikoel HLP 68

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 68

Hydraulic Oil SEB 181 222 – HLP 68

Characteristic data

Approx. values

ISO viscosity class	DIN 51519		VG 68
Viscosity at 0°C	DIN 51562	mm ² /s	1100
Viscosity at 40°C	DIN 51562	mm ² /s	68
Viscosity at 100°C	DIN 51562	mm ² /s	8,55
Viscosity index	DIN ISO 2909		96
Colour pursuant to ASTM	DIN 51578		2,5
Density at 15°C	DIN 51757	kg/m ³	880
Flash point	DIN ISO 2592	°C	240
Pour point	DIN ISO 3016	°C	-22
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	0.3
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	DIN 53538 Part 1 after 7 days at 100°C	Vickers pump test Wear after 250 h	
Ageing properties	Motor vehicle brief		
Neutralisation index after 1000 h	gear test		
Foaming properties	Standard test A/8.3/90		
Properties against sealing material SRE-NBR 1 pursuant to			

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

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DIN 51759	degree of corrosion	1-
	125 A3	
DIN 51587		
DIN 51566	mg KOH/g	<
	2	
	S1B-30/0	
Change in volume		
Change in hardness	S2B-50/0	
DIN 51354	S3B-30/0	
Failure load level		
Unit weight change		
V 105 C	%-by-vol.	+
Ring	3	
	Shore	-
	1,5	
		1
		2
	mg/kWh	<
	0.27	
	mg	
		5
	0	
	mg	
	Blade	
	12	

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