



meguinfo

Article no. 2224.000

Date: 01/05

megol Hydraulikoel HL 46

HL 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. 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: HL 46 DIN 51524 Part 1

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
Density at 15°C	DIN 51757	kg/m ³	880
Flash point	DIN ISO 2592	°C	226
Pour point	DIN ISO 3016	°C	-24
Ash, oxide	DIN EN 7	g/100 g	<0.01
Coke residue using the Conradson method with ash	DIN 51551	g/100 g	0.07
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	0.2
Corrosive effect on steel	DIN 51585	degree of corrosion	0-A
Corrosive effect on copper	7 days at 100°C	DIN 51759	
Ageing properties			
Neutralisation index after 100 h	*) m.n.n. = Quantity	DIN 51587	
Foaming properties	not detectable	DIN 51566	

Properties against sealing material
SRE-NBR 1 pursuant to
DIN 53538 part 1 after

Change in volume

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Change in hardness	degree of corrosion	1-
	100 A3	
	mg KOH/g	<
	2	
	S1B-30/0	
	S2B-50/0	
	S3B-30/0	
	%-by-vol.	+3.
	5	
	Shore	-
	3.0	

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