



## *meguinfo*

Art.-Nr. 2209.000

Stand: 01.09

### **megol Hydraulikoel HLP 100**

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 100  
Hydraulic Oil SEB 181 222 – HLP 100

#### **Characteristic data**

**Approx. values**

ISO viscosity class	DIN 51519		VG 100
Viscosity at 0°C	DIN 51562	mm <sup>2</sup> /s	1900
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	100
Viscosity at 100°C	DIN 51562	mm <sup>2</sup> /s	11,1
Viscosity index	DIN ISO 2909		95
Colour pursuant to ASTM	DIN 51578		3
Density at 15°C	DIN 51757	kg/m <sup>3</sup>	880
Flash point	DIN ISO 2592	°C	245
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	0.5
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 51759	degree of corrosion	1-125 A3
Ageing properties			
Neutralisation index after 1000 h	DIN 51587	mg KOH/g	< 2
Foaming properties	DIN 53538 Part 1 after 7 days at 100°C	Standard test A/8.3/90	
Properties against sealing material SRE-NBR 1 pursuant to	Motor vehicle brief gear test	Vickers pump test	

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# Shanghai Jichuan Trading

DIN 51566

S1B-30/0

S2B-50/0

Change in volume  
Change in hardness

S3B-30/0

DIN 51354

Failure load level  
Unit weight change

%-by-vol. +

V 105 C

5

Shore -

3

1

2

mg/kWh <

0.27

Wear after 250 h

Ring

mg

mg

Blade

50

12

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

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