



meguinfo

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megol Hydraulikoel HLPD 46 AF

HLPD hydraulic oils (zinc-free) offer excellent EP properties and outstanding ageing and corrosion stability. As a result of their special additives they are capable of absorbing certain volumes of water without turbidity and without any negative effect on their other properties. Their foaming properties and air separation capacity are adjusted for optimal performance. Thanks to their specific properties, HLPD hydraulic oils are ideal for hydraulic systems that are susceptible to condensation, such as machine tools, building machinery, etc.

Approvals / Specifications: Hydraulic Oil DIN 51524 – HLPD 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
Colour pursuant to ASTM	DIN 51578		2.5
Viscosity index	DIN ISO 2909		98
Density at 15°C	DIN 51757	kg/m ³	885
Flash point	DIN ISO 2592	°C	230
Pour point	DIN ISO 3016	°C	-25
Air separation capacity / 50°C	DIN 51381	min.	6
De-emulsifying capacity / 54°C	DIN 51599	min. limited emulsif. cap.	
Ash, oxide	DIN EN 7	g/100 g	0
Ash, sulphate	DIN 51575	g/100 g	0
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	0.3
Corrosive effect on steel	DIN 51585	degree of corrosion	0-A
Corrosive effect on copper		after 1000 h	
	Ageing properties		
	Neutralisation index	Foaming properties	

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	DIN 51759	degree of corrosion	1-100 A3
Motor vehicle brief gear test	DIN 51587	mg KOH/g	< 2
Standard test A/8.3/90	DIN 51566		S1B-50/0 S2B-10/0 S3B-20/0
*) m.n.n. = Quantity not detectable			
	DIN 51354		
	Failure load level		> 12
	Unit weight change	mg/kWh	< 0.27

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