



# swd HYDRALUBE HLP

## ISO VG 10, 22, 32, 46, 68, 100 und 150

### HLP - Hydraulic Oil meeting DIN 51524, Part 2

#### Discription

swd HYDRALUBE HLP - hydraulic oils are produced from high quality mineral base stocks. These combined with new generation additives create product properties, which meet and even exceed the requirements of DIN 51 524 part 2.

Especially to be highlighted :

- fast demulsifying power
- good air release and excellent foaming tendency
- extreme pressure stability and very good wear protection
- excellent thermal and oxidation stability
- secured protection against corrosion
- good compatibility with material coatings and elastomers
- trouble-free filtrability

#### Application

swd HYDRALUBE HLP - hydraulic oils are used in steady state and in mobile hydraulic units like contruction machines or -vehicles and in machine tools or presses.

Furthermore they may be used for the lubrication of slightly loaded roller and slide bearings and for gears, if this is accepted by the constructor of these aggregates.

#### Qualification

- ❖ DIN 51 524 part 2
  - HLP
  - ❖ AFNOR NF E 48 602
  - HM
- ❖ ISO 6743/3
  - HM

#### Typical Properties

swd HYDRALUBE HLP	unit	unit							method
ISO-VG class		<b>10</b>	<b>22</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>	DIN 51 519
Density at 15°C	kg/m <sup>3</sup>	852	856	873	874	885	894	898	DIN 51 757
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	10,1	21,8	32,4	45,8	68,0	99	148	DIN 51 562
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	2,68	4,27	5,38	6,8	8,75	11,2	14,5	DIN 51 562
Viscosity index		101	100	100	102	100	98	96	DIN ISO 2909
Pour point	°C	-36	-30	-33	-27	-24	-18	-12	DIN ISO 3016
Flash point	°C	175	210	226	232	238	248	264	DIN ISO 2592
Air release at 50°C	minutes	3	3	4	5	8	11	-	DIN 51 381
Water content	wt. %	< 0,02							DIN 51 777 T.1
FZG-test (A/8,3/90/20)	damage loading step	-	-	>=12					DIN 51 354 T. 2
<b>Article-No. :</b>		<b>34010</b>	<b>34022</b>	<b>34032</b>	<b>34046</b>	<b>34068</b>	<b>34090</b>	<b>34095</b>	

Specification variations in these characteristics may occur.  
The instructions of manufacturer must be regarded.  
Further informations to be available by MSDS.

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