STRUB Vulcolube HLP ZF

Zinc-free multipurpose industrial and hydraulic oils



TRIBOLOG

Description

STRUB Vulcolube HLP ZF are newly formulated hydraulic oils based on solvent refined base oils. They are free of zinc and offer additional application advantages.

Application

For machine tools and hydraulic systems in case of possible water ingress. Hydraulic systems in industry, construction, transport and agriculture.

The zinc-free products were developed for hydrostatic, oil-hydraulic systems in mobile and stationary applications.

Features and advantages

- detergent properties, water is bound without noticeable loss of quality •
- very good wear protection (FZG standard test A8, 3/90°C) > 12
- excellent EP effect (pressure absorption and lubricating effect) •
- free from zinc, waste water pollution is reduced •
- very good oxidation protection, therefore long service life of the fillings
- excellent demulsibility •
- good corrosion protection •
- Compatible with commercially available seals
- good foaming behavior

Specifications

DIN 51524 Part 2 + DIN 51517 Part 3 (and is referred to as HLPD according to DIN 51502) / SEB 181.222

The information in this technical data sheet is based on general knowledge and possible applications. Strub + Co. AG is not liable for damage resulting from improper use of the products. The measurement and production tolerances customary in the industry apply to the characteristic data given. In general, no legal binding force can be derived from these data. Our products are subject to continuous further development. Therefore, Strub + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

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Technical data

ISO Class	Density at 15°C	Viscosity at: 40°C 50°C 50°C 100°C 0°C 20°C						Visc. Index	Flame- point	Pour- point	Art. No.
		mm2/s	mm2/s	°E	mm² /s	mm² /s	mm² /s		°C	°C	
2	0,800	2.2	1.8	1.10	-	6	3.2	-	100	- 50	33548
5	0,833	5	4.0	1.30	1.74	17	8.4	120	120	- 39	31484
10	0,850	10	7.5	1.6	2.7	49	19	110	160	- 36	31100
15	0,855	15	10.8	1.9	3.5	93	33	110	170	- 33	32963
22	0,862	22	15	2.3	4.3	170	52	105	185	- 33	33584
32	0,870	32	21	3.0	5.3	310	83	105	205	- 33	31016
46	0,876	46	30	4.1	6.8	562	132	102	220	- 30	30740
68	0,880	68	43	5.7	8.65	1024	214	98	224	- 30	31555
100	0,888	100	61	7.9	11.2	1758	337	97	234	- 27	31183
150	0,890	150	89	11.4	14.6	3132	545	96	250	- 24	32634

Transport

ADR/SDR

No dangerous goods

Disposal

LVA VeVA / EAK: 13 01 10

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