

Aral Vitam FF 46

Hydraulic oil HLP type

Applications:

The ever increasing demands for operating high-quality hydraulics and control systems, require a fine filtered hydraulic fluid. For this reason Aral Vitam FF 46 has undertaken a fine filtration of 1µm before bottling. The capability of this mineral oil based hydraulic fluid goes far beyond the demands for HLP oils in accordance with DIN 51524-2. Beside the improved percentage of purity, Aral Vitam FF 46 disposes of further properties to provide an excellent wearing protection over a broad load range, very good air and water separation ability, optimal corrosion prevention, minimal foaming tendency, good sealing consistency and an outstanding ageing stability. Aral Vitam FF 46 is free from zink compounds.

Operational area:

Aral Vitam FF 46 can be used everywhere particular thermal or mechanical burdens require a performance hydraulic oil. A problem free use is guaranteed in devices such as speed gears, static displacement gears, eletromagnet segments, couplings and compressed air tools.

Technical Data

Hydraulic oil type		DIN 51524-2	HLP
Density at 15 °C	g/ml	DIN 51757	0,874
Viscosity			
0 °C	mm ² /s	DIN 51562	584
40 °C	mm ² /s	DIN 51562	46
100 °C	mm ² /s	DIN 51562	6,75
Viscosity Index		DIN ISO 2909	>90
Pourpoint	°C	DIN ISO 3016	-27
Flash point COC	°C	DIN ISO 2592	236
Oxide ash	Gew. %	DIN EN ISO 6245	<0,01
Neutralization number	mg KOH/g	DIN 51558-1	0,14
Ageing characteristics			
Increase n.n. after 1000 h	mgKOH/g	DIN 51587	<2,0
Air release time at 50 °C	min	DIN 51381	<5
Corrosiveness			
on steel	Korr. Grad.	DIN ISO 7120	0-A
FZG test A/8,3/90	SKS	DIN 51354-2	>12
Demulsion character. at 54 °C	min	DIN 51599	<10

Remarks:

All data is subject to development for the product and the production process.

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