



Aral Vitam GF 100

Hydraulic oil HLP type

Applications:

Aral Vitam GF 100 is a high-performance, zinc free hydraulic oil corresponding to the type HLP. This product fulfills the requirements of the DIN 51524-2, with a large margin of reserve. Due to the properties of this hydraulic oil, it has an excellent wearing protection over a broad load range, very good air and water separation ability, minimal foaming tendency, optimal corrosion prevention, good sealing consistency and a high ageing stability.

Operational area:

Aral Vitam GF 100 can be used where special thermal or mechanical loads require high-performance hydraulic oils. Aral Vitam GF 100 is a product that can be universally applied. This hydraulic oil has a proven reliability with many years of in the field use. Aral Vitam GF 100 meets specification requirements of reputed manufactures of hydraulic pumps and motors, and the following approvals/ recommendations apply:

- Hagglund-Dension HF-0; HF-2
- Vickers Industrieanlagen, I-286-S-Spezifikation
- Cincinnati M. - S. 68-69-70

Technical Data

Density at 15 °C	g/ml	DIN 51757	0,887
Viscosity			
0 °C	mm ² /s	DIN 51562	1758
40 °C	mm ² /s	DIN 51562	100
100 °C	mm ² /s	DIN 51562	11,1
Viscosity Index		DIN ISO 2909	95
Pourpoint	°C	DIN ISO 3016	-21
Flash point COC	°C	DIN ISO 2592	220
Oxide ash	Gew. %	DIN EN ISO 6245	<0,01
Neutralization number	mg KOH/g	DIN 51558-1	0,1
Ageing characteristics			
Increase n.n. after 1000 h	mgKOH/g	DIN 51587	<2,0
Air release time at 50 °C	min	DIN 51381	<15
Corrosiveness			
on copper	Korr. Grad.	DIN EN ISO 2160	1-100 A3
on steel	Korr. Grad.	DIN ISO 7120	0-A
Foaming characteristics			
at 24 °C	ml	ISO 6247	<50/0
at 95 °C	ml	ISO 6247	<50/0
at 24 °C after 95 °C	ml	ISO 6247	<50/0
FZG test A/8,3/90	SKS	DIN 51354-2	12
Demulsion character. at 54 °C	min	DIN 51599	<20

Remarks:

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

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