



Aral Vitam GF 46

Hydraulic oil HLP type

Applications:

Aral Vitam GF 46 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 46 can be used where special thermal or mechanical loads require high-performance hydraulic oils. Aral Vitam GF 46 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 46 has a release recommendation through the VDEh in accordance with SEB-Nr.181222. The oil meets specification requirements of reputed manufactures of hydraulic pumps and motors, and the following approvals/ recommendations apply:

- 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 | 0,875 |
| Viscosity | | | |
| 0 °C | mm ² /s | DIN 51562 | 600 |
| 40 °C | mm ² /s | DIN 51562 | 45 |
| 100 °C | mm ² /s | DIN 51562 | 6,84 |
| Viscosity Index | | DIN ISO 2909 | 98 |
| Pourpoint | °C | DIN ISO 3016 | -33 |
| Flash point COC | °C | DIN ISO 2592 | 244 |
| 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 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 | <100/0 |
| FZG test A/8,3/90 | SKS | DIN 51354-2 | >=12 |

Demulsion character. at 54 min
°C

DIN 51599

<15

Remarks:

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

Version-No.: IS0024