

Rhenus Vitantor HS

Hydraulic Oils

Description

Rhenus Vitantor HS are light hydraulic oils based on synthetic fluids.

Application and Properties

Rhenus Vitantor HS are suitable for lubrication of hydraulic systems in the food, cosmetic, pharmaceutical and packing industry.

Rhenus Vitantor HS fulfil the demands of hydraulic fluids according to DIN 51524/T2.

Rhenus Vitantor HS are in accordance with the FDA-Guidelines 21 CFR 178.3570 and shall be used where a direct contact with the lubricant cannot be excluded. Excessive lubrication, which may cause food contact, shall be avoided.

Rhenus Vitantor HS hydraulic oils are registered by NSF (National Sanitary Foundation) category code H1.

Advantages:

- high oxidation stability
- low tendency of forming residues
- excellent demulsibility characteristics (water resistance)
- high air separation efficiency
- good anti-corrosion properties
- extended lubricant life
- neutral behaviour against customary sealing materials
- suitable for the application in inert-gas and CO₂-compressors.
- not suitable for oxygen-compressors!

Technical Data

| | | HS 15 | HS 32 | HS 46 | HS 68 | HS 100 |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| ISO VG | | 15 | 32 | 46 | 68 | 100 |
| Viscosity at 40°C | ASTM D 445 | 15 mm ² /s | 32 mm ² /s | 46 mm ² /s | 68 mm ² /s | 100 mm ² /s |
| Viscosity at 100°C | ASTM D 445 | 4 mm ² /s | 6 mm ² /s | 8 mm ² /s | 10 mm ² /s | 13 mm ² /s |
| Viscosityindex | ISO 2909 | 130 | 142 | 145 | 141 | 144 |
| Density at 20°C | DIN 51 757 | 0,82 g/ml | 0,83 g/ml | 0,83 g/ ml | 0,84 g/ml | 0,84 g/ml |
| Flammpunkt | ISO 2529 | ca.180°C | >230°C | >240°C | >240°C | > 240°C |
| Pourpoint | ISO 3016 | -57°C | -57°C | -57°C | -57°C | -56°C |
| Copper corrosion | DIN 51 759 | 1 | 1 | 1 | 1 | 1 |
| Foam tendency | ASTM D 892 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 |
| Steel corrosion | DIN 51 355 | 0-A | 0-A | 0-A | 0-A | 0-A |
| Demulsibility | DIN 51 599 | 40/40/0 15 Min. | 40/40/0 15 Min. | 40/40/0 15 Min. | 40/40/0 15 Min. | 40/40/0 20 Min. |
| FZG Test | DIN 51354-02-A-8,8/90 | load stage 10 | load stage 11 | load stage 11 | load stage 11 | load stage 11 |

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

01 / 08 ssl

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Rhenus is certified according to ISO/TS 16949, DIN EN ISO 9001, DIN EN ISO 14001 and OHSAS 18001.