



Aral Motanol HV 100

Vacuum pump oil

Applications:

Aral Motanol HV 100 is a special vacuum pump oil with a narrow boiling range for mechanically delicate and high-vacuum pumps.

Aral Motanol HV 100 is formulated with a core fraction of a paraffin based solvent raffinate, combined with a very high initial boiling point, a low vapor pressure as well as a low vaporization loss and a minimal coking tendency. Moreover, Aral Montanol HV 100 has a minimal foaming tendency and a very good water separation behavior.

Operational area:

Aral Motanol HV 100 is formulated for the use in mechanical vacuum pumps which work in fine vacuum and high vacuum field to about 0,0001 mbar. This product has proven especially reliable in rotary valve pumps, rotary piston pumps and rotating piston pumps. Aral Motanol HV 100 is used for the initial filling of high-vacuum pumps by manufacturers of repute.

Technical Data

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|----------------------------|--------------------|-----------------|---------|
| ISO-VG | | DIN 51519 | 100 |
| Density at 15 °C | g/ml | DIN 51757 | 0,880 |
| Viscosity | | | |
| 40 °C | mm ² /s | DIN 51562 | 95 |
| 100 °C | mm ² /s | DIN 51562 | 10,7 |
| Neutralization number | mg KOH/g | DIN 51558-1 | 0,01 |
| Oxide ash | Gew. % | DIN EN ISO 6245 | <0,01 |
| Water-soluble acids | | DIN 51558 | neutral |
| Flash point COC | °C | DIN ISO 2592 | 265 |
| Pourpoint | °C | DIN ISO 3016 | -12 |
| Ageing characteristics | | | |
| Watercontent | Gew. % | DIN ISO 3733 | <0,1 |
| Ageing characteristics | Gew. % | DIN 51352-1 | 0,5 |
| Increase of carbon residue | | | |

Remarks:

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

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