



MINERAL OIL M SERIES

Mineral oil-based vacuum pump fluids

Description

Advanced vacuum pump fluid specifically designed for use in mechanically operated vacuum pumps.

Applications

MINERAL OIL M is recommended for lubricating and cooling vacuum pumps handling air. The product is compatible with standard seal and hose material and NOT recommended for pumps handling strong oxidizing vapours.

Benefits

- Excellent protection against corrosion
- Excellent lubricity
- Oxidation stable

Performance level

ISO VG-46/68/100: DIN 51524/2

ISO-VG 150/220: DIN 51517/3

Meets the specification of DIN 51506 VDL and ISO 6743-3A DAJ

Typical performance data

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Property	Test Method	M22X	M32X	M46X	M68X	M100X	M150X
ISO Viscosity Grade	ASTM D-2270	22	32	46	68	100	150
Density @ 20 °C, kg/l	ASTM D-1208	0.85	0.85	0.86	0.87	0.89	0.89
Kinematic viscosity @ 40°C, cSt	ASTM D-445	22	31.2	45.5	68.8	103	148
Kinematic viscosity @ 100°C, cSt	ASTM D-445	4	5.5	7.1	8.7	11.2	14.3
Viscosity Index	ASTM D-2270	111	113	115	98	95	96
Flash point, °C	ASTM D-92	195	201	217	224	235	245
Pour point, °C	ASTM D-97	-32	-30	-30	-27	-21	-21
Vapour pressure @ 20°C, Pa	ASTM D-972	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TAN, mg KOH/gr	ASTM D-664	0.2	0.2	0.2	0.2	0.2	0.2

All performance data on this Technical Data Sheet are indicative only and can vary during production

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