



PRODUCT DATA SHEET

VACUUM PUMP OIL

Vacuum Pump Oil is blended from specific high quality mineral oil with low volatility characteristics for the lubrication of vacuum pumps.

Vacuum Pump Oil offers superior performance in oxidation resistance due to its high degree of chemical stability and has anti-wear properties without the use of zinc containing additives. Excellent demulsibility characteristics ensure that it readily separates from water, a common contaminant in vacuum systems. This supports water removal and avoids its return to metal surfaces to cause rust and corrosion providing improved pump durability.

Vacuum Pump Oil resists the formation of deposits and maintains its original lubricating properties over a long life.

PRODUCT BENEFITS

- Good wear protection under start-up and boundary conditions
- Low volatility characteristics
- Excellent demulsibility to separate quickly from water and resist emulsion formation
- Good air release properties to provide efficient pumpability
- High level of chemical and thermal stability results in long service life

APPLICATIONS

- Vane and piston type rotary pumps
- Vacuum Pump 100 – Belt driven rotary vane pumps
- Vacuum Pump 68 – Direct drive rotary vane pumps
- Vacuum Pump 46 – Direct drive rotary vane pumps in colder environments.

TYPICAL PROPERTIES

	Vacuum Pump 46	Vacuum Pump 68	Vacuum Pump 100
SAE Viscosity	15	20	30
ISO	46	68	100
Density @ 15°C (g/ml)	0.863	0.870	0.875
Viscosity @ 40°C (cSt)	41.4 – 50.6	61.2 – 74.8	90 – 110
Viscosity @ 100°C (cSt)	7.0	8.9	11.5
Viscosity Index	109	104	101
Pour Point (°C)	-25	-19	-12
Closed Flash Point (°C)	220	220	230

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