



Vorta Vacuoil is a premium lubricant, blended from specific high quality Mineral oil with low volatility characteristics, for the lubrication of vacuum pumps.

Vorta Vacuoil has a high degree of chemical stability enabling it to resist oxidation and the subsequent formation of sludge and deposits, an essential characteristic in all cases where continuous service is involved.

This enables the oil to retain its original properties such as viscosity and demulsibility and so prolong oil service life.

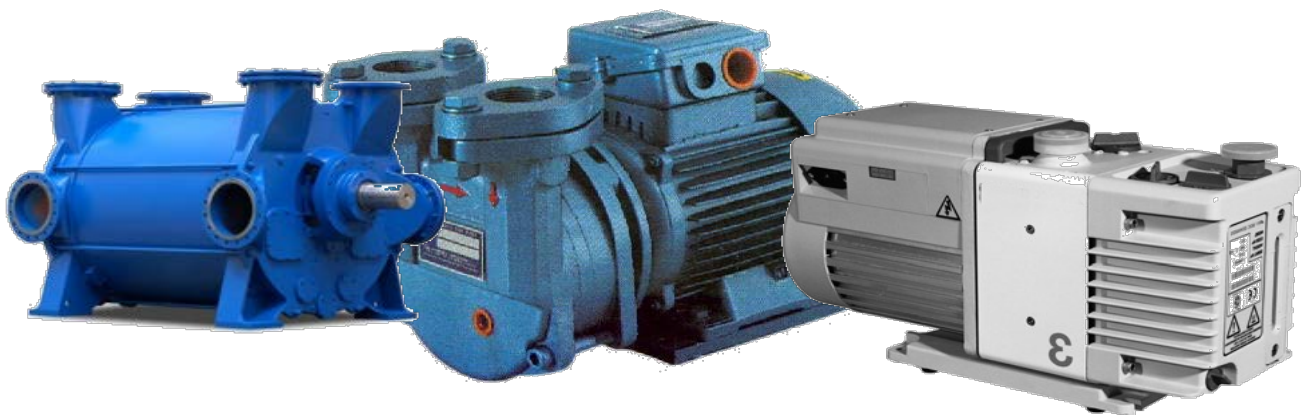
Water vapour is a common contaminant in vacuum systems and tends to condense in pumps, oils separators and reservoirs.

Vorta Vacuoil has good demulsibility to separate readily from water. This aids water removal and prevents its return to metal surfaces to cause rust and corrosion.

### Vorta Vacuoil offers the following benefits:

- ✎ Low volatility characteristics
- ✎ Good air release properties to provide efficient pump operation
- ✎ Good demulsibility to separate quickly from water and resist emulsion formation
- ✎ Good wear protection under start-up and boundary conditions
- ✎ Long service life due to high level of chemical and thermal stability and freedom from deposit formation

Vorta Vacuoil is recommended for the lubrication of vacuum pumps and is suitable for applications involving absolute pressures from 50 microns of mercury down to the highest vacua achieved by commercially available vacuum pumps. It is also suitable for use in pump bearings and sealing glands.



GRADE	TEST METHOD	Unit	VACUOIL				
			32	46	68	100	220
Density @15°C	ASTM D 1298	Kg/L	0.88	0.88	0.88	0.89	0.89
Flash Point	ASTM D 92	°C	216	225	240	240	270
Kin Viscosity @40°C	ASTM D 445	cSt	32	46	68	100	220
Kin Viscosity @100°C	ASTM D 445	cSt	5.4	6.9	9	12	20
Viscosity Index	ASTM D 2270	-	108	105	105	101	101
Pour Point	ASTM D 97	°C	-30	-30	-30	-24	-24
Neutralization Value	ASTM D 664	mgKOH/g	0.2	0.2	0.2	0.2	0.2