



## RAVENOL Super Vakuumpumpen Fluid 100

RAVENOL Super Vakuumpumpen Fluid 100 is a highly developed lubricant, which was specifically developed for application in mechanically operated vacuum pumps.

RAVENOL Super Vakuumpumpen Fluid 100 consists of specifically produced base oils and a high-performance additive system. This ensures an extremely low vapour pressure and a maximum efficiency of the pump. The oxidation inhibitor system prolongs the service life of the lubricant, which is subjected to high pump loads and high operating temperatures.

### Application Notes

RAVENOL Super Vakuumpumpen Fluid 100 is recommended for the lubrication and cooling of piston and rotating blade vacuum pumps, which primarily work with air. It is particularly suitable for pumps, which are operated under high operating temperatures (100 - 130°C).

RAVENOL Super Vakuumpumpen Fluid 100 is compatible with standard sealants and hose materials with the exception of natural rubber, ethylene-propylene-diene monomers (EPDM) and latex. Mixing with other vacuum pump fluids reduces the performance of **RAVENOL Super Vakuumpumpen Fluid 100**.

However, **RAVENOL Super Vakuumpumpen Fluid 100** is compatible with mineral oils, poly-alpha-olefins (PAOs) and several semi-synthetic lubricants. **RAVENOL Super Vakuumpumpen Fluid 100** is NOT compatible with polyglycol based products.

**RAVENOL Super Vakuumpumpen Fluid 100** is also recommended for application in vacuum pumps, which work with inert gases, e.g. nitrogen, hydrogen, carbon dioxide, carbon monoxide, argon, neon and helium.

**RAVENOL Super Vakuumpumpen Fluid 100** is NOT recommended for pumps, work with severely oxidising vapours such as fuming nitric acid, sulphuric acid, hydrogen sulphides and glacial acetic acids.

### Characteristic

RAVENOL Super Vakuumpumpen Fluid 100 offers:

- Excellent synthetic-like resistance against thermal degradation
- Prolongs the intervals between changing fluids
- Increases the pump reliability and reduces the maintenance costs
- Minimises deposits in vacuum pump systems
- Ash-free formulation with non-toxic base oils
- Provides for a clean workplace virtually free of oil mist and odours
- Fluid with high viscosity index
- Strong lubrication film in a wide temperature range
- Improves the energy efficiency ratio
- Superior protection against corrosion
- Protects pumps against corrosive factors from air, moisture and standard laboratory solvents

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	865	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	103	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	11,4	DIN 51 562
Viscosity index VI		97	DIN ISO 2909
Vapor pressure at 25°C	mmHg	5*10 <sup>-8</sup>	-
Flash point (COC)	°C	260	DIN ISO 2592
Pourpoint	°C	-12	DIN ISO 3016
corrosion prevention			-
A- distilled water		bestanden	ASTM D665
B- artificial seawater		bestanden	ASTM D665
RBOT oxidation test	Minutes	1000	ASTM D2272

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

11.09.2015

Ravensberger Schmierstoffvertrieb GmbH

Postfach 1163

33819 Werther

Tel.: 05203/9719-0

Fax.: 052039719-40 / 41