# RENOLIN SC

## Cooling and lubricating oils for vane and screw compressors

### Description

The RENOLIN SC series was developed to meet the increased requirements of vane and screw compressors. Due to the function of screw compressors, intensive swirling of the cooling oil and air occurs. At final compression temperatures of up to 110 °C, the oils are subjected to a strong oxidative attack that accelerates aging. The selection of special base oils and additive systems makes long, interruption-free operations possible. To ensure optimum performance of the oil separator, the air release properties and low foaming are characteristic for screw compressor oils.
Excellent wear protection and the requirements listed above describe the performance capability of the RENOLIN SC series.

### Application

Air compressor lubricants for oil-injected vane and screw compressors with final compression temperatures of up to 110 °C. For advice regarding the compression of other media, please contact our Applications Technology department.
Please comply with manufacturers' specifications.

### Advantages

- Excellent oxidative and thermal stability
- Final compression temperatures up to 110 °C
- Good demulsification behaviour
- Low evaporation losses
- Minimal coking
- Low foaming tendency
- Good air release properties
- Protects against wear and corrosion



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ISO/TS 16949:2009
DIN EN ISO 14001:2004
BS OHSAS 18001:2007
REG.NR. 2476

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### Typical data:

| **Product name** | | **32** | **46** | **68** | |
|---|---|---|---|---|---|
| **Properties** | **Unit** | | | | **Test Method** |
| ISO VG | | 32 | 46 | 68 | DIN 51519 |
| Kinematic viscosity<br>at 40 °C<br>at 100 °C | <br>$mm^2/s$<br>$mm^2/s$ | <br>32<br>5.4 | <br>46<br>6.7 | <br>68<br>8.7 | DIN EN ISO 3104 |
| Viscosity index | - | 100 | 100 | 99 | DIN ISO 2909 |
| Density at 15 °C | $kg/m^3$ | 871 | 875 | 879 | DIN 51757 |
| Colour index | ASTM | 1.0 | 1.0 | 1.0 | DIN ISO 2049 |
| Flashpoint, Cleveland open cup | °C | 218 | 236 | 251 | DIN ISO 2592 |
| Pourpoint | °C | - 15 | - 12 | - 9 | DIN ISO 3016 |



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# Product Information

The information contained in this product information is based on the experience and know-how of FUCHS SCHMIERSTOFFE GMBH in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. Our products must not be used in aircrafts/spacecrafts or their components, unless such products are removed before the components are assembled into the aircraft/spacecraft. The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

We therefore recommend that you consult a FUCHS SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid.

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