

RENOLIN SE 100

Synthetic saturated ester-based air compressor lubricant for heavy-duty applications. With outstanding thermal stability to minimize carbon residues.

Description

RENOLIN SE 100 is a synthetic air compressor lubricant based on advanced synthetic saturated ester technology, containing a synergistic blend of anti-wear, anti-corrosion and anti-oxidant additives to enhance performance. It is suitable for use in reciprocating and vane compressors, depending on the viscosity requirements of the compressor.

Application

Due to the highly stable, synthetic ester base fluid combined with an efficient additive system RENOLIN SE 100 is working reliably also under most challenging conditions.

RENOLIN SE 100 is completely miscible and compatible with commonly used air compressor oils based on diester and/or trimellitate esters.

The fluid is also miscible with mineral oils, although residual mineral oil in the system will degrade the performance of the RENOLIN SE 100 fluid. A complete oil change is recommended.

Designed for use in reciprocating and vane compressors dependent upon viscosity requirements.

Specifications

RENOLIN SE 100 exceeds the requirements according to:

- DIN 51506 – VDL 100

Advantages

- **Synthetic ester base**
- **Proven lubrication performance in reciprocating and vane compressors**
- **Low coefficient of friction**
- **Reduced power consumption, potentially reducing energy costs**
- **Highly resistant to oxidation**
- **Reduces carbon deposits (e.g. in valves and filters)**
- **Reduced maintenance and down-time costs**
- **Extended oil lifetime = extended oil drain intervals**
- **Suitable for extreme working conditions**

RENOLIN SE 100

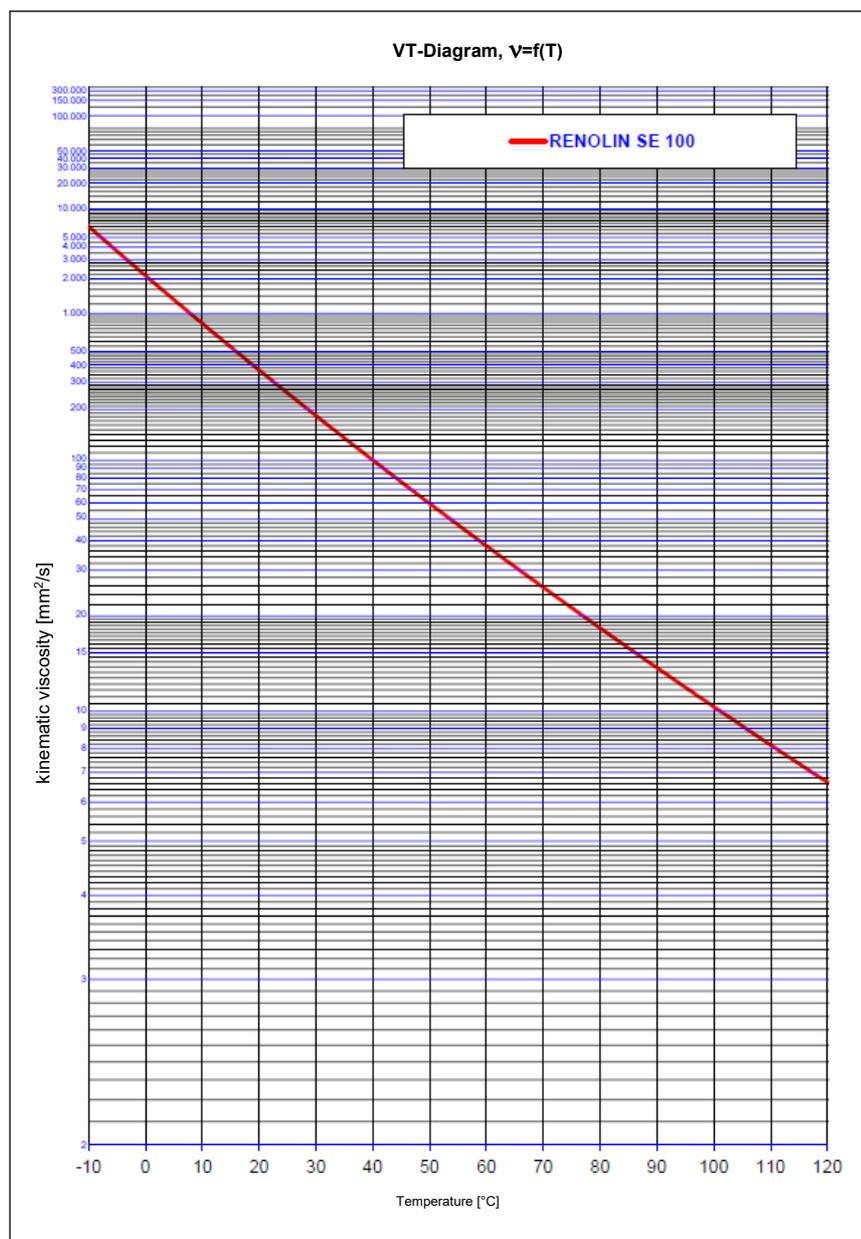
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Typical data:

Product name	RENOLIN SE 100		
Properties	Unit		Test method
Appearance		Clear yellow/ orange fluid	
Density at 15 °C	kg/m ³	987	DIN 51757
Kinematic viscosity at 40 °C	mm ² /s	100	DIN EN ISO 3104
at 100 °C	mm ² /s	10.3	
Viscosity index	-	81	DIN ISO 2909
Flashpoint, Cleveland (COC)	°C	270	DIN ISO 2592
Pourpoint	°C	-42	DIN ISO 3016
Neutralisation number	mgKOH/g	0.2	DIN 51558-1
Air release at 75 °C	min	<1	DIN ISO 9120
Foaming behaviour			ISO 6247
Seq. I: 24 °C	ml	0/0	
Seq. II: 93.5 °C	ml	0/0	
Seq. III: 24 °C after 93.5 °C	ml	0/0	
Carbon residue acc. to Conradson	m %	<0.1	DIN 51551-1
VDL requirements	-	pass (surpasses requirements)	DIN 51506

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PI 4-1361, Page 3; PM 4 / 01.22

Product Information

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Note

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS GERMANY 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 aircraft or spacecraft. Our products may be used in the manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or 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 LUBRICANTS GERMANY 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.

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