

## RENOLIN 500 Series VDL-Air Compressor Oils and Gas Compressor Oils

### Description

RENOLIN 500 Series can be used in air compressors and can also be used in compressors working with hydrocarbon gas e.g. natural gas (different composition), propane, propene and process gas.

The products of the RENOLIN 500 Series are air compressor oils for piston and rotation compressors according to DIN 51506 Type VDL. The RENOLIN 500 Series is formulated on the basis of especially highly refined base oils; the additives selected make possible reliable use at high thermal stress without the formation of damaging residue.

Intensified laboratory tests and many years of experience with use confirm the extraordinary oxidation stability of these special compressor oils.

### Applications

Air compressor oil for all piston and rotation compressors according to DIN 51506, VDL for final compression temperatures up to 220 °C.

If other media are compressed, please contact our Application Engineering Department.

Manufacturer specifications have to be complied with.

### Specifications

The products of the RENOLIN 500 series meet and in many cases exceed the requirements:

- DIN 51506: VDL
- VDL according to TÜV Certificates

### Advantages

- **Excellent oxidation and thermal stability**
- **Good demulsifying capacity**
- **Low coking**
- **Minimal foaming**
- **Good air release capacity**
- **Protects against wear and corrosion**
- **Very low evaporation tendency**
- **Final compression temperatures up to 220 °C**

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### Typical technical data:

Product name		503	504	505	506	
Properties	Unit					Test method
ISO VG		68	100	150	220	DIN 51519
DIN 51506 VDL requirements		fulfilled	fulfilled	fulfilled	fulfilled	
Kinematic viscosity at 40 °C	mm <sup>2</sup> /s	68	100	150	230	DIN EN ISO 3104
at 100 °C	mm <sup>2</sup> /s	9.1	11.9	15.0	18.7	
Viscosity index	-	109	109	100	90	DIN ISO 2909
Density at 15 °C	kg/m <sup>3</sup>	861	866	875	890	DIN 51757
Color index	ASTM	0.5	0.5	1.0	1.5	DIN ISO 2049
Flash point in open cup according to Cleveland	°C	250	280	275	280	DIN ISO 2592
Pour point	°C	-18	-21	-15	-12	DIN ISO 3016
Neutralization number	mgKOH/g	0.13	0.13	0.13	0.13	DIN 51558

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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. 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.

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