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, propen 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 select 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.

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**

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

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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 at 100 °C	 mm^2/s mm^2/s	 68 9.1	 100 11.9	 150 15.0	 230 18.7	DIN EN ISO 3104
Viscosity index	-	109	109	100	90	DIN ISO 2909
Density at 15 °C	kg/m^3	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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