PRODUCT INFORMATION

RENOLIN 500 Series

Cooling oil for reciprocating & rotary vane compressors with oil injection systems

Description

Especially in the last few years, rotary vane compressors have increasingly replaced the traditional reciprocating piston compressors in the industry. The reasons for this are their light weight, compact dimensions, relatively low noise and vibration free operation, and their reliability. Despite the high precision in the production of the individual parts and low friction clearances, the narrow gaps between the vanes and the casing have to be sealed in order to achieve high pressures.

This task is fulfilled by high quality mineral oils. Apart from sealing they also have to carry off the heat generated by the working compressor, thus cooling the vanes. As the cooling oil in oil-flooded, oil-injected rotary vane compressors come into contact with the atmospheric oxygen in the compressed air, these oils have to meet a series of requirement. **RENOLIN 500 Series** meet all requirements demanded of such lubricants.

Meets the requirements of DIN 51 506 VDL.

Benefits

- Provides effective pressure sealing.
- Very good wear protection.
- Excellent oxidation stability and aging resistance.
- Excellent corrosion protection.
- Good air release properties and low foaming.
- Good demulsification capacity.
- Low volatility.
- Low coking.
- Good compatibility with elastomers.

Application

- Air compressor lubricants for oil-injected and oil-flooded rotary vane compressors with a compression temperature of up to 110°C.
- Also recommended for reciprocating piston compressors with air discharge temperatures up to 220°C.
- As circulating lubricating oil for various applications such as vacuum pumps, bearings and gearboxes and hydrostatic drives.

Typical Characteristics

Properties	Unit	Value			Test Method
Grade		503	504	505	
ISO VG		68	100	150	DIN 51 519
Colour ASTM		<1.5	<1.5	<2.0	ASTM D 1500
Specific Gravity at 60/60 °F		0.885	0.887	0.892	ASTM D 1298
Flash Point COC	°C	>200	230	238	ASTM D 92
Viscosity at 40°C	cSt	68.08	98.1	149.8	ASTM D 445
Viscosity Index		98	98	98	ASTM D 2270
Pour Point	°C	-12	-12	-12	ASTM D 97

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