

RENOLIN 500 Series

Compressor Oil according to DIN 51506

Description

RENOLIN 500 series is a premium quality compressor cylinder and crankcase lubricant designed specifically for modern reciprocating compressors. The careful selection of base oils and additives results in a lubricant which can properly lubricate compressor cylinders operating at high discharge temperatures (up to 220 °C) while significantly minimizing carbon formation on piston rings and exhaust valves.

Performance level

RENOLIN 500 series meets the requirements of DIN 51506 VD-L / VC-L / CL.

Special Features

- Minimal coking tendency and formation of deposits.
 - Excellent oxidation and ageing stability.
 - Low sludging tendencies.
 - Strong demulsibility performance.
 - High temperature thermal stability.
 - Good compatibility with elastomers.
- Universal application for piston and rotary compressors.

CHARACTERISTICS

Properties	Units	Values					Test Methods
Renolin 500 Series		501	502	503	504	505	
ISO Viscosity Grade		32	46	68	100	150	DIN 51 519
Viscosity @ 40 °C	mm ² /s	31	46	69	99	150	ASTM D 445
Viscosity @ 100 °C	mm ² /s	5.4	6.7	8.7	11.2	14.7	ASTM D 445
Viscosity Index		108	97	97	98	97	ASTM D 2270
Density @ 15 °C	kg/m ³	850	863	873	879	882	ASTM D 1298
Flash Point, COC	°C	218	224	230	248	264	ASTM D 92
Pour Point	°C	- 9	- 9	- 9	- 9	- 9	ASTM D 97
Neutralization Number	mg KOH/g	0.15	0.15	0.15	0.15	0.15	ASTM D 664
Conradson carbon	% wt.	<1	<1	<1	<1	<1	ASTM D 189

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