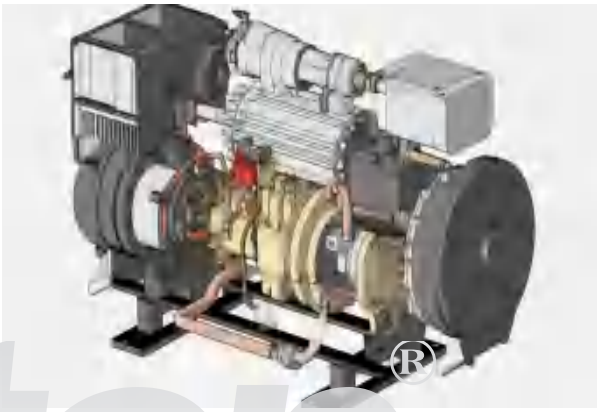
Reciprocating air compressor oil

Performance Overview

Maxtop uses highly refined high viscosity index mineral base oil or semi-synthetic base oil or fully synthetic base oil, adding excellent performance of anti-wear, anti-oxygen, anti-rust and other additives refined. Keep the interior clean: prevent the formation of sludge and carbon deposits, and keep the compressor clean. Improve operating efficiency: Reduce congestion and failures, improve operating efficiency. Protect internal parts: prevent moisture and corrosive gases from eroding the compressor. Extend part life: Maintain the surface quality of parts and reduce the frequency of replacement. Reduce friction and wear: The right viscosity creates an oil film between the piston and the cylinder, reducing wear.



Features

01

Stronger anti-wear protection, extending the service life of reciprocating compressor cylinders or crankshafts, and providing good protection for rotary vane compressor blades, etc.

02

Thermal oxidation stability, preventing high temperature oxidation decomposition and ensuring no carbon deposits at high temperatures.

03

Good anti-rust and anti-corrosion properties, preventing cylinder and exhaust valve corrosion and rust.

04

It has good anti-emulsification properties and can quickly separate the accumulated water in the circulation system.

05

No high or low temperature deposits are produced.

06

Excellent anti-oxidation stability, reduce oil aging, prolong oil change cycle, reduce maintenance costs.

Application Scenario

(1)Suitable for lubrication and sealing of crankcases and cylinders of medium-load reciprocating air compressors in the fields of petrochemicals, steel metallurgy, etc.
(2)Lubrication of small piston air compressors, rotary vane compressors, and some plunger delivery pumps in general industries.

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Reciprocating air compressor oil performance indicators

Project		Quality indicators			
Viscosity grade		68#	100#	150#	220#
Kinematic viscosity, mm 2 /s 40℃		61.2~74.8	90.0~110	135~165	198~242
Pour point/℃	not higher than	-16	-14	-12	-9
Flash point (open)/℃	not less than	195	205	215	220
Demulsibility (40-37-3) /min					
54 ℃	No more than	30	-	-	-
82 ℃	No more than	-	30	30	30
Water soluble acid or base		none			
Copper corrosion (100℃, 3h)/level	No more than	1			
Moisture,%		trace			
Mechanical impurities,%		0.01			
Liquid phase corrosion test distilled water		Rust-free			
Aging characteristics:					
200℃, air, ferric oxide					
Evaporation loss, %	not more than	20			
Conradson residual carbon increase, %	not more than	3.0			

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