

4503 Synthetic Air Compressor Oil

SINOPEC 4503 synthetic air compressor oil is blended with semi-synthetic base oil of special structure and quality additive of high efficiency.

Advantages

- ⊙ Outstanding oxidation stability and low tendency of carbon accumulation, with long service life
- ⊙ Small evaporation loss and low oil consumption
- ⊙ Excellent viscosity-temperature and low temperature properties, ensuring easy startup in low temperature condition and good lubrication of compressor in high temperature condition
- ⊙ Good oil-water separation ability and defoaming property, rapidly separating water from oil condensed in air
- ⊙ Good anti-rust and anti-corrosion properties, preventing parts of compressor from corrosion
- ⊙ Good anti-corrosion property, preventing part surface of compressor from abnormal wear

Applications

- ⊙ Suitable for lubrication of low/moderate duty rotary air compressor in conditions of discharge temperature not higher than 130℃ and discharge pressure lower than 1500kPa

Typical Properties

Items	4503 synthetic air compressor oil				
	32	46	68	100	150
Kinematic viscosity (40℃), mm ² /s	30.64	44.09	67.10	95.62	151.2
Viscosity index	121	110	105	93	92
Pour point, ℃	-38	-36	-30	-27	-21
Flash point (open), ℃	232	236	246	254	258
Anti-emulsion property (40-37-3), min	5	5	7	8	10
Liquid phase rust test	Rustless	Rustless	Rustless	Rustless	Rustless
Corrosion (copper sheet, 100℃, 3hrs), level	1b	1b	1b	1b	1b
Four-ball machine test (75℃, 1200rpm) Diameter of wear spot (392N, 60min), mm	0.47	0.45	0.45	0.43	0.43

Application Examples

- ⊙ Oil problems such as short service life and severe coking have been resolved when an aluminum group located in Henan Province, China, replaced the ordinary DAB 150 mineral compressor oil with this product for the domestic centrifugal compressor
- ⊙ A compressor company located in Shanghai, China, finally chose this product after strict tests

Special Attentions

- ⊙ Do not mix with other lubricant, which resulting in the reduction of product performance
- ⊙ Close the cap in time after each use, keeping moisture, dust away

Packing

- ⊙ To be packed with 4L, 16L, 200L iron barrels or as required by customer