

4506 Synthetic Compressor Oil

4506 synthetic compressor oil is air compressor used lubricant blended with synthetic base oil and high level multi-functional additives such as extreme pressure, anti-oxidizer, anti-corrosion agent and so on.

Advantages

- ⊙ Outstanding thermal oxidation stability, preventing oil from damage in high temperature condition
- ⊙ Good material adaptability, preventing oil from leaking out of system in application
- ⊙ Excellent thermal conductive performance, reducing operation temperature of air compressor
- ⊙ Outstanding coking and deposit resistant performance, enhancing safety of air compressor working in high temperature condition
- ⊙ Outstanding high/low temperature performance, ensuring normal operation of system in wide temperature range
- ⊙ Good lubricity, protecting compressor from wear
- ⊙ Outstanding over-all performance, ensuring a long service life of 6000h~8000h of air compressor system

Performance

- ⊙ Initial loading oil for compressor made in Shanghai CompAir Compressor Co. Ltd.

Applications

- ⊙ Widely used to lubrication of small/moderate/large sized single/multi-stage (s) reciprocating or rotary type air compressor, especially to centrifugal and screw compressors
- ⊙ Applied temperature range: -50℃~120℃ for rotary compressor and -40℃~200℃ for reciprocating compressor, possibly reaching 220℃ in short time

Typical properties

Items	4506 synthetic compressor oil			
	Grade 32	Grade 46	Grade 68	Grade 100
Kinematic viscosity (40℃), mm ² /s	31.1	46.5	64.7	97.7
Viscosity index	130	127	138	138
Neutralization value, mgKOH/g	0.16	0.20	0.17	0.19
Flash point (COC), ℃	252	260	270	272
Freezing point, ℃	<-60	-58	-56	-48
Anti-emulsification performance, min	2	4.8	2.1	5
Corrosion (T ₂ Cu, 100℃, 3h), level	1b	1b	1b	1b
Carbon residue, % (m/m)	0.02	0.02	0.02	0.02

Precautions

- ⊙ Material compatibility test should be carried out when used in lubrication part in contact with non-metallic material such as rubber, plastic and paint
- ⊙ It is normal and shall not affect application in case of darkened color after exposed to light or under long term high temperature