

## 4506 Synthetic Compressor Oil

SINOPEC 4506 synthetic compressor oil is blended with synthetic base oil and plural highly refined additives such as extreme pressure agent, anti-oxidizer, anti-corrosion agent and so on.

### Advantages

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

### Applications

- ⊙ Widely used in iron, cement, chemical, machinery and electronic industries, for the 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℃ for short period of time

### Typical Properties

Items	4506 synthetic compressor oil			
	32	46	68	100
Kinematic viscosity, mm <sup>2</sup> /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 (open), ℃	252	260	270	272
Freezing point, ℃	<-60	-58	-56	-48
Anti-emulsion property, min	2	4.8	2.1	5
Corrosion (T <sub>2</sub> Cu, 100℃, 3hrs), level	1b	1b	1b	1b
Carbon residue, % (m/m)	0.02	0.02	0.02	0.02

### Technical Certification

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

## Similar Foreign Products

- ⊙ As excellent as RARUS 1000 series of EXXON-MOBIL; MADRELA AS series of SHELL; HITEC 5000 series of ETHYL, COMPAIR special oil, ATLAS special oil, INGERSOLL-RAND special oil, Fusheng special oil

## Application Examples

- ⊙ Imported oil is replaced by the product which is applied on INGERSOLL-RAND three-stage centrifugal compressor imported by an ethene company, extending the oil-change period to 8000hrs, reducing operation cost

## Special Attentions

- ⊙ Do not mix with other lubricant resulting in reduction due to possible physical or chemical reactions between different oil
- ⊙ Close the cap in time after each use, keeping moisture, dust away
- ⊙ Material compatibility test should be carried out when used in lubricated 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

## Packing

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