

Product	Sinopec 4502 Synthetic Compressor Oil
Summary	Product description <p>Sinopec 4502 Synthetic Compressor Oil is a series of lubricants blended with fully synthetic di-esters and selected additives, including specific inhibitors added to extend life and to improve their ability to protect against corrosion. These lubricants can be used for severe duty, multistage compressors that provide outstanding deposit control and long lubricant life. Sinopec 4502 series products also provide excellent air separation and possess low foaming tendencies.</p>

Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available
in bulk

Applications

Sinopec 4502 Synthetic Compressor Oil is suitable for use in:

- High-severity rotary and reciprocating air compressors, especially effective in multi-stage units where there has been a history of excessive oil deposits, whether in large or small cylinders with high or low pressure.
- Rotary air compressors where the operating temperature range is between -40°C and 110°C .
- Reciprocating air compressors where the operating temperature range is between -35°C and 200°C (or up to 220°C for short periods).

Sinopec 4502 series are recommended for use in rotary screw compressors (ISO 32, 46 and 68) and reciprocating compressors (ISO 100, 150 and 220).

Caution: not recommended for breathing air compressors.

Features and benefits

- Excellent oxidation and high temperature stability compared with conventional mineral oil-based products.
- Excellent heat conduction properties reduce the system operating temperature.
- Excellent low temperature start-up with rapid fluid circulation in broad temperature range.
- Increased service intervals between cleaning of valves, parts and inter-coolers and extended oil drain intervals (6,000 to 8,000 hours).
- Excellent separation from air and minimum foaming tendency in critical high temperature areas.
- Minimises deposit formation.
- High autogenous ignition temperatures and flash points, reduces fire and explosion risk.
- Not compatible with mineral oils so as to decrease the properties of Sinopec 4502 series products.

Product Data Sheet

Typical data

Sinopec 4502 Synthetic Compressor Oil						
ISO viscosity grade	32	46	68	100	150	220
Kinematic viscosity@ 40℃, mm ² /s ,ASTM D445	31.94	43.18	67.5	98.4	149.3	214.2
Foaming characteristics, sequence I, ASTM D892	0/0	0/0	0/0	10/0	10/0	10/0
Acid number, mgKOH/g, ASTM D664	0.16	0.19	0.17	0.19	0.18	0.20
Water separability, time to 40-37-3 @ 54℃, minutes, ASTM D 1401	5	4.8	2.1	8	3.5	3
Copper corrosion, 3 hours @100℃, ASTM D130	1b	1b	1b	1b	1b	1b
Conradson carbon residue, %, ASTM D189	0.02	0.02	0.03	0.03	0.03	0.03
Freezing point, ℃, ASTM D97	-55	-52	-50	-48	-45	-35
Flash point (COC), ℃, ASTM D92	218	235	248	260	264	255

These data are given as an indication of typical values and not as exact specifications.

Industry and OEM specifications

Sinopec 4502 Synthetic Compressor Oil meets the performance requirements of the following industry specifications:	
ISO	DAJ & DAC
Q/SH PRD	327—2010

Sinopec 4502 Synthetic Compressor Oil holds the following OEM approvals:	
Hefei General Machinery Research Institute	Certified
Wuxi Compressor Company	Certified
Chongqing Gas Compressor Factory Co.,Ltd.	Certified

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

The SINOPEC trademark is registered and protected.

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SINOPEC

Premium Lubricants



PT. MASA JAYA PERKASA

M info@masajayaperkasa.com

**Jl. Hayam Wuruk No. 76,
Jakarta Barat, DKI Jakarta 11160**

(+62)21-649-6496

(+62)852-1116-7713