

Product	<b>Sinopec Gas Turbine Oil</b>
Summary	<b>Product description</b> Sinopec Gas Turbine Oil is available in ISO viscosity grades 32, 46 and 68. Formulated with high-quality hydrogenated base oils and selected additives. It provides excellent high-temperature oxidation stability and sludge control performance. It is suitable for lubrication of gas turbine and steam turbine.

Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also  
available  
in bulk

## Applications

Sinopec Gas Turbine Oil is suitable for use in:

- Gas turbine and gas-steam combined circulation turbine.
- Gas turbine in petrochemical industry and fertilizer industry.
- Steam turbines.

## Features and benefits

- Excellent high-temperature oxidation stability prolongs the life of the oil and increases service intervals.
- Excellent control of sludge, deposits and varnish prevents servo-valve sticking and blocking, and ensures smooth operation.
- Good air release properties protect against air entrainment, ensure optimum oil film thickness and protect equipment components from cavitation.
- Good antifoaming properties avoid the build up of foam, and reduce oil leakage from the system.
- Good water separation properties ensure that oil/water emulsions are not formed, and so meet the requirements of combined circulation gas turbines.
- Excellent anti-rust and corrosion prevention properties protect equipment from rusting and corrosion, and extend equipment life.

# Product Data Sheet

## Typical data

<b>Sinopec Gas Turbine Oil</b>			
ISO viscosity grade	32	46	68
Kinematic viscosity of base oil, ASTM D 445			
cSt @ 40°C	30.2	45.3	65.3
Viscosity index of base oil, ASTM D 2270	129	128	107
Air release at 50°C, min, ASTM D 3427	1.1	1.5	3.1
Foaming characteristics, sequences 1, 2 and 3, ASTM D 892	10/0 10/0 10/0	10/0 10/0 10/0	10/0 10/0 10/0
FZG test (A/8,3/90) , pass load stage	11	11	11
Neutralisation number, mg KOH/g, ASTM D 974	0.02	0.02	0.12
Oxidation stability, time to 2 mg KOH/g, hours, ASTM D 943	>10000	>10000	>10000
Oxidation stability, RPVOT @ 150°C, min, ASTM D 2772	>1000	>1000	>1000
Rust prevention, ASTM D 665			
distilled water	Pass	Pass	Pass
synthetic sea water	Pass	Pass	Pass
Copper corrosion, 3 hours @ 100°C, ASTM D 130	1b	1b	1b
Pour point, °C, ASTM D 97	-15	-15	-9
Flash point (COC), °C, ASTM D 92	242	250	265
Density @ 15°C, kg/l, ASTM D 4052	0.845	0.848	0.851

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

## Industry and OEM specifications

<b>Sinopec Gas Turbine Oil meets the performance requirements of the following industry specifications:</b>	
ASTM	4304 Rev A Type I/II
ASTM	4304 Rev A Type III
DIN	51515 L-TD
DIN	51515 L-TG
GB <sup>1</sup>	11120-2011 (L-TGA/ TGE)
ISO	8068(TSA)
ISO	8068(TGA)
JIS	K-2213 Type 2 w/add.

<sup>1</sup> Note: 'GB' standards are the National Standards of the People's Republic of China.

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Sinopec Gas Turbine Oil meets the performance requirements of the following OEM specifications:	
Alstom Power	HTGD 90117(EP)
GE	GEK-101941A
GE	GEK-28143b
GE	GEK-32568j
GE	GEK-46506D
Siemens Power Generation	TLV 9013 04(EP)
Siemens Power Generation	TLV 9013 05(EP)
Sinopec Gas Turbine Oil holds the following formal OEM approvals:	
Siemens Power Generation	TLV 9013 04(EP) (ISO VG32/46)
Siemens Power Generation	TLV 9013 05(EP) (ISO VG32/46)
ABB TURBOCHARGE	HZTV 600303(ISO VG68)

## 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.

Issued: March 2017

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