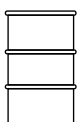


Product	Sinopec TGSB (M) Turbine Oil
Summary	<p>Product description</p> <p>Sinopec TGSB (M) Turbine Oil is formulated with high-quality hydrogenated base oils and selected additives. It provides excellent high-temperature oxidation stability, sludge control, and is designed to meet MHPS MS04-MA-CL002 specification. Available in ISO viscosity grades 32, 46.</p>

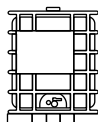
Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available
in bulk

Applications

Sinopec TGSB(M) Turbine Oil is suitable for use in:

- Gas turbine ,steam turbine and combined- cycle units Power Plants
- Industrial Gas or steam turbine
- Industrial turbo compressor
- Hydroelectric turbine units

Features and benefit

- Outstanding thermal /oxidation stability: providing extended oil charge life, reduce disposal cost.
- Excellent sludge trend control performance: reducing varnish formation potential
- Excellent demulsibility: separating water from oil rapidly, insure the good lubrication film to protect bearing.
- Good anti-foaming and air release properties: preventing erratic operation, pump cavitation.
- Good property of anti-rust and anticorrosion: preventing rust or corrosion of components.

Product Data Sheet

Typical data

Sinopec TGSB(M) Turbine Oil		
ISO viscosity grade	32	46
Kinematic viscosity , ASTM D 445		
cSt @ 40°C	33.8	46.14
cSt @ 100°C	6.13	7.529
Viscosity index of base oil, ASTM D 2270	130	129
Air release at 50°C, min, ASTM D 3427	1.7	2
Foaming characteristics, sequences 1, 2 and 3, ASTM D 892	10/0 10/0 10/0	10/0 10/0 10/0
Demulsibility @ 54°C, time to 3 ml emulsion, min, ASTM D 1401	5	5
Neutralisation number, mg KOH/g, ASTM D 974	0.07	0.05
Oxidation stability, time to 2 mg KOH/g, hours, ASTM D 943	>10,000	>10,000
Oxidation stability, RPVOT @ 150°C, min, ASTM D 2772	>1,000	>1,000
Rust prevention, ASTM D 665		
distilled water	pass	pass
synthetic sea water	pass	pass
Copper corrosion, 3 hours @ 100°C, ASTM D 130	1b	1b
Pour point, °C, ASTM D 97	-12	-12
Flash point (COC), °C, ASTM D 92	220	240
Density @ 15°C, kg/l, ASTM D 4052	0.8564	0.8570

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

Industry and OEM specifications

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

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

Product Data Sheet

Sinopec TGSB(M) Turbine Oil meets the performance requirements of the following OEM specifications:	
Alstom Power	HTGD 90117
GE	GEK-28143b
GE	GEK-32568j
GE	GEK-46506D
MHPS	MS04-MA-CL002, MS04-MA-CL001,
Siemens Power Generation	TLV 9013 04
Siemens Power Generation	TLV 9013 05
Sinopec TGSB(M) Turbine Oil holds the following formal OEM approvals:	
MHPS	MS04-MA-CL002(VG32)

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

© Sinopec 2017

Sinopec TGSB(M) Turbine Oi