

Product	Sinopec AP Industrial Gear Oil
Summary	<p>Product description</p> <p>Sinopec AP Industrial Gear Oil is formulated with high-quality mineral base oils and a multifunctional additive system. In addition to offering the performance of a traditional heavy-duty industrial gear oil, this product protects against micropitting and scuffing of gear teeth, ensures long oil life.</p>

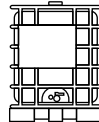
Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L



Also
available
in bulk

Applications

Sinopec AP Industrial Gear Oil is suitable for use in:

- Suitable for lubrication of spur gear, helical gear, bevel gear and bearing of industrial equipment and ship with heavy load and impact load.
- Widely applied in steel, coal, electricity, petrochemical, and papermaking areas, such as the reduction gearbox of conveyor, coal mill, extruder, blender mixer, macerater and other heavy equipment industry gearbox.
- Suitable for marine propeller, deck winch , crane, steering gear, etc.; the reduction gearbox of excavator, dragline and other equipment in the open-pit coal mine.

Features and benefits

- Excellent antiwear performance protects against micropitting and scuffing of gear teeth, reducing the risk of premature failure of the gear surfaces, and provides extended bearing life under extreme operating conditions.
- Excellent oxidation stability prevents oil breakdown at high temperatures, prolonging oil service life, allowing increased time between drain intervals, and reducing maintenance costs.
- Good anticorrosion properties, together with good water separability, protect against rust and copper corrosion, extending component life.
- Excellent lubricity and low traction coefficient provide significant reduction in power consumption in many gear drives, and reduced oil system temperatures.

Product Data Sheet

Typical data

Item	AP 100	AP 150	AP 220	AP 320	AP 460	AP 680
ISO viscosity grade	100	150	220	320	460	680
Kinematic viscosity, ASTM D 445						
cSt @ 40 °C	97.66	151.0	213.2	311.1	442.3	679.5
cSt @ 100 °C	10.95	14.52	18.46	23.75	29.94	42.97
Viscosity index, ASTM D 2270	96	94	96	97	96	104
Flash point (COC), °C, ASTM D 92	230	234	230	236	248	251
Pour point, °C, ASTM D 97	-26	-23	-20	-17	-11	-11
Copper corrosion, 3hours@100°C ASTM D130	1b	1b	1b	1b	1b	1b
Rust prevention, ASTM D665 A&B	Pass	Pass	Pass	Pass	Pass	Pass
Four ball EP, weld load, N, ASTM D 2783	3087	3087	3087	3087	3087	3087
Timken OK load, lb, ASTM D 2782	60	60	60	60	60	60
FZG scuffing test, fail load stage A/8.3/90, ASTM D5182	12+	12+	12+	12+	12+	12+
FZG micropitting test, fail stage/GFT class, FVA 54	10/high	10/high	10/high	10/high	10/high	10/high

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

Industry and OEM specifications

Sinopec AP Industrial Gear Oils meets the performance requirements of the following industry specifications:	
AIST (US Steel)	224
ANSI/AGMA	9005-E02 (EP)
DIN	51517 Part 3 (CLP)
ISO	12925-1 (CKD)

Sinopec AP Industrial Gear Oils meets the performance requirements of the following OEM specifications:	
SIEMENS Flender	T7300 Table A-a (ISO VG 220/320/460/680)
Bosch Rexroth	Lube Oil Recommendations Appendix A (ISO VG 220)
SCHOTTEL	1145140 (ISO VG 100) ,1145137/1145139 (ISO VG 150)

Product Data Sheet

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.

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Issued: March 2017

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