SINOPEC
PERFORMANCE IN MOTION

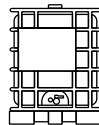| Product	**Sinopec JUSTAR SN/GF-5 0W-20 Engine Oil**
Summary	**Product description** Sinopec JUSTAR SN/GF-5 0W-20 Engine Oil is formulated with synthetic base oils and high-quality multifunctional additive technology. It provides excellent oxidation resistance and wear protection, ensures optimum engine performance.

Available sizes

| 1L/4L/5L | PAIL – 18L | DRUM – 200L | IBC – 1000L | Also available in bulk |

Applications

Sinopec JUSTAR SN/GF-5 0W-20 Engine Oil is suitable for use in:

- High-performance passenger cars, racing cars and coaches equipped with multi-valves, variable valve timing, turbochargers and direct-injection engines. Especially to provide lasting protection for the electronic controlled direct-injection engine with turbocharger.
- Especially for Japanese cars, and cars which have special request for saving energy.

Features and benefits

- Excellent low temperature flow property, which can protects gasoline engines operating at low ambient temperatures.
- The formulation contains detergents and dispersants, which prevent the formation of sludge and deposits, keeping the engine clean and reducing energy loss due to frictional wear.
- Good oxidation stability prevents oil degradation at high temperatures, and extends oil service life.
- Outstanding corrosion resistance, protects the engine and extends its life.
- Excellent antiwear properties prevent engine wear.
- Good elastomer compatibility ensures longer gasket and seal life, and prevents oil leakage.
- Ultralow viscosity which can reduces friction resistance and fuel consumption.

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The information contained herein is subject to change without notification due to continuing research & development therefore properties may be subject to slight variations.

Typical data

Sinopec JUSTAR J700F SN/GF-5 0W-20 Engine Oil	
SAE grade	0W-20
Kinematic viscosity, mm^2/s, ASTM D 445 cSt @ 100℃	8.9
Dynamic viscosity, CCS, mPa・s，ASTM D 5293 cP @ -30℃	6010
High-temperature, high-shear viscosity (HTHS)(150℃,10^{6}s^{-1})mPa・s, ASTM D 4683	2.66
NOACK volatility, ASTM D 5800	12
Sulfated ash, wt%, ASTM D 874	0.91
Total base number, mg KOH/g, ASTM D 2896	8.36
Pour point, ℃, ASTM D 97	-41
Flash point (COC), ℃, ASTM D 92	228
Density @ 20℃, kg/l, ASTM D 4052	0.850

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

Industry and OEM specifications

Sinopec JUSTAR J700F SN/GF-5 0W-20 Engine Oil meets the performance requirements of the following industry specifications:	
API Service Classification	Petrol/Gasoline: SN and earlier specifications
IISAC Service Classification	GF-5
Sinopec	Q/SH PRD 0474-2012 (SN)

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

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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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