

Product	Sinopec JUSTAR J700U (SN/CF) Engine Oil
Summary	Product description Sinopec JUSTAR J700U (SN/CF) Engine Oil is formulated with high-quality synthetic technology base oils and a multifunctional additive system for modern, high-performance petrol and light duty diesel-powered vehicles. It provides excellent oxidation resistance, deposit and wear protection, low-temperature performance. Available in seven viscosity grades: SAE 0W-20, SAE 0W-30, SAE 0W-40, SAE 0W-50, SAE 5W-30, SAE5W-40 and SAE 5W-50.

Applications

Sinopec JUSTAR J700U (SN/CF) Engine Oil is suitable for use in:

- Turbocharged and supercharged fuel-injected petrol engines.
- Turbocharged intercooled direct-injection diesel engines.
- Naturally aspirated petrol engines in passenger cars and light commercial vehicles.
- High-performance passenger cars, racing cars and coaches equipped with multi-valves, turbochargers and direct-injection engines.

Features and benefits

- High-quality synthetic technology base oils in combination with an advanced additive system provide protection against engine sludge formation and build up, reducing oil thickening, thereby keeping the product in grade for longer and extending oil life.
- Provides excellent control of piston and ring deposits under high-temperature conditions.
- Excellent antiwear performance protects against engine wear and prolongs engine service life.
- Low oil evaporation loss leads to reduced oil consumption and reduced exhaust emissions.
- Formulated to protect and extend the life of three-way catalytic converters.
- Low oil viscosity ensures good fluidity at low temperatures, reducing engine wear at start up and ensuring improved fuel efficiency.
- Excellent low-temperature startup performance and high temperature lubrication performance, suitable for all-weather use.
- Good elastomer compatibility ensures longer gasket and seal life, and prevents oil leakage.
- Approved as a service fill oil for mixed fleets.
- Energy conserving.

Typical data

Sinopec JUSTAR J700U (SN/CF) Engine Oil				
SAE grade	0W-20	0W-30	0W-40	0W-50
cSt @ 100°C	8.34	10.73	14.11	19.13
Dynamic viscosity, CCS, ASTM D 5293				
cP @ -35°C	6200	6200	6200	6200
Mini-rotary viscometer(MRV), ASTM D 4684				
cP @ -40°C	48000	31000	32000	48000
Total base number, mg KOH/g, ASTM D 2896	8.33	8.29	8.21	8.41
Sulfated ash, wt%, ASTM D 874	0.86	0.89	0.81	0.85
Pour point, °C, ASTM D 97	-40	-40	-40	-40
Flash point (COC), °C, ASTM D 92	220	230	220	224
Density @ 15°C, kg/l, ASTM D 4052	0.846	0.839	0.841	0.844
Sinopec JUSTAR J700U (SN/CF) Engine Oil				
SAE grade	5W-30	5W-40	5W-50	
cSt @ 100°C	11.58	14.33	18.27	
Dynamic viscosity, CCS, ASTM D 5293				
cP @ -30°C	6600	6600	6600	
Mini-rotary viscometer(MRV), ASTM D 4684				
cP @ -35°C	35000	48000	47000	
Total base number, mg KOH/g, ASTM D 2896	8.11	8.32	8.32	
Sulfated ash, wt%, ASTM D 874	0.84	0.85	0.84	
Pour point, °C, ASTM D 97	-35	-35	-35	
Flash point (COC), °C, ASTM D 92	238	223	220	
Density @ 15°C, kg/l, ASTM D 4052	0.842	0.844	0.845	

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

Industry and OEM specifications

Sinopec JUSTAR J700U (SN/CF) Engine Oil meets the performance requirements of the following industry specifications:	
API Service Classification	Petrol/Gasoline: SN, SM and earlier specifications
	Diesel: CF and earlier HDDEO specifications
GB ¹	11122-2006 (CF)
Sinopec Engine Oil SN/CF holds the following formal industry approvals/licences:	
API Service Classification	Petrol/Gasoline: SN

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

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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