

Product	Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF)
Summary	Product description Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF) is formulated with highly refined base oils and a high-quality multifunctional additive system. This multipurpose oil can be used in many petrol and diesel passenger cars and light vehicles operating under normal or elevated ambient operating conditions, providing excellent engine protection.

Applications

Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF) is suitable for use in:

- Petrol engines in present and earlier passenger cars, sport utility vehicles, vans and light trucks working under normal operating conditions and following vehicle manufacturers' recommended maintenance procedures.
- Direct and indirect injection diesel engines, which may be naturally aspirated, turbocharged or supercharged, working under high loads.
- Older vehicle engines requiring a heavier viscosity crankcase oil.

Features and benefits

- High-quality mineral 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.
- Higher oil viscosity ensures good protection of metal surfaces at higher temperatures, protecting against engine wear.
- Low oil evaporation loss leads to reduced oil consumption and reduced exhaust emissions.
- The formulation provides good control of piston and ring deposits; and excellent antiwear performance protects against engine wear, prolonging engine service life.
- Formulated to protect and extend the life of three-way catalytic converters.
- Good elastomer compatibility ensures longer gasket and seal life, and prevents oil leakage.

Product Data Sheet

Typical data

Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF)	
SAE grade	20W-50
Kinematic viscosity, ASTM D 445	
cSt@ 40°C	172.6
cSt @ 100°C	18.00
Dynamic viscosity, CCS, ASTM D 5293 cP @ -15°C	6700
Viscosity index, ASTM D 2270	120
Total base number, mg KOH/g, ASTM D 2896	7.3
Pour point, °C, ASTM D 97	-25
Flash point (COC), °C, ASTM D 92	232
Density @ 15°C, kg/l, ASTM D 4052	0.881

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

Industry and OEM specifications

Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF) meets the performance requirements of the following industry specifications	
ACEA	A3/B3-04
API Service Classification	Petrol/Gasoline: SL and earlier specifications
	Diesel: CF and earlier HDDEO specifications
GB ¹	11121-2006 (SL)
	11122-2006 (CF)
Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF) holds the following formal industry approvals/licences:	
API Service Classification	Petrol/Gasoline: SL

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

Sinopec JUSTAR J500 20W-50 Engine Oil (SL/CF) meets the performance requirements of the following OEM specifications:	
Mercedes Benz	229.1

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.

The SINOPEC trademark is registered and protected.

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