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| Product | <b>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4)</b>  |
| Summary | <b>Product description</b><br>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4) 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, and meets the ILSAC GF-4 specification qualifying as an API Energy Conserving oil. |

## Applications

Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4) 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.
- Good elastomer compatibility ensures longer gasket and seal life, and prevents oil leakage.
- Approved as a service fill oil for mixed fleets.
- Energy conserving.

# Product Data Sheet

## Typical data

|  |        |
|--|--------|
| <b>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4)</b> |        |
| SAE grade  | 10W-30 |
| Kinematic viscosity, ASTM D 445                        |        |
| cSt @ 40°C   | 77     |
| cSt @ 100°C  | 10.32  |
| Viscosity index, ASTM D 2270                           | 140    |
| Total base number, mg KOH/g, ASTM D 2896               | 6.70   |
| Pour point, °C, ASTM D 97                              | -40    |
| Flash point (COC), °C, ASTM D 92                       | 230    |
| Density @ 15°C, kg/l, ASTM D 4052                      | 0.866  |

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

## Industry and OEM specifications

|   |  |
|---|--|
| <b>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4) meets the performance requirements of the following industry specifications:</b> |  |
| API Service Classification  | Petrol/Gasoline: SM, SL and earlier specifications |
|   | Energy Conserving                                  |
|   | Diesel: CF and earlier HDDEO specifications        |
| GB <sup>1</sup>   | 11122-2006 (CF)                                    |
| ILSAC   | GF-4   |
| <b>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4) holds the following formal industry approvals/licences:</b>                      |  |
| API Service Classification  | Petrol/Gasoline: SM                                |
|   | Energy Conserving                                  |

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

|  |                |
|--|----------------|
| <b>Sinopec JUSTAR J500 10W-30 Engine Oil (SM/GF-4) meets the performance requirements of the following OEM specifications:</b> |                |
| Chrysler   | SM/GF-4 10W-30 |
| Toyota   | SM/GF-4 10W-30 |
| Nissan   | SM/GF-4 10W-30 |

# 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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