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|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product</b> | <b>Sinopec Justar J600F Premium (ACEA C3, SM-CF) 5W-40 Engine Oil</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Summary</b> | <b>Product description</b><br>Sinopec Justar J600F Premium 5W-40 Engine Oil is a stable, stay-in-grade, fully synthetic engine oil formulated with deeply hydrogenated base stocks and a unique additive system. Meeting various low SAPs specifications, and several OEM specifications, this product provides effective protection to both turbocharged and naturally aspirated gasoline and diesel engines. It is designed for vehicles fitted with a two-way catalytic converter (TWC) or the latest diesel after-treatment system (diesel particulate filter, DPF). |

## Applications

Sinopec Justar J600F Premium 5W-40 Engine Oil is suitable for use in:

- Turbocharged and naturally aspirated gasoline and diesel engines.
- Vehicles fitted with TWC or the latest diesel after-treatment system (e.g. DPF).
- High-performance car and light van diesel and gasoline engines.
- Engines that require an oil that meets EURO IV and EURO V emissions regulations.

## Features and benefits

- Meets a wide range of specifications, and so reduces inventory costs.
- Formulated with high viscosity index, fully synthetic base stocks and advanced anti-oxidation additives, providing effective protection for engines under high temperature and prolonging their service life.
- Low SAPs formulation guarantees longer life of emission control devices such as TWC and DPF, and longer drain intervals, thus reducing maintenance costs.
- Effectively disperses ash and deposits, and inhibits the formation of sludge to keep engines clean, and reduce energy loss due to frictional wear.
- Ultra low vaporisation loss, reduces oil consumption and lowers exhaust emissions.
- Outstanding shear stability properties, with a minimum HTHS of 3.5 mPa.s, ensure the oil stays in grade for longer.
- Compatible with seal materials normally used in engines, so extends their life and prevents oil leakage.

# Product Data Sheet

## Typical data

| <b>Sinopec Justar J600F Premium 5W-40 Engine Oil</b>       |       |
|------------------------------------------------------------|-------|
| SAE grade                                                  | 5W-40 |
| Kinematic viscosity, ASTM D 445                            |       |
| cSt @ 40°C                                                 | 82.2  |
| cSt @ 100°C                                                | 14.5  |
| Viscosity index, ASTM D 2270                               | 185   |
| High-temperature, high-shear viscosity (HTHS), ASTM D 4683 |       |
| cP @ 150°C                                                 | 3.75  |
| Total base number, mg KOH/g, ASTM D 2896                   | 7.6   |
| Sulfated ash, wt%, ASTM D 874                              | 0.77  |
| Pour point, °C, ASTM D 97                                  | -40   |
| Flash point (COC), °C, ASTM D 92                           | 230   |
| Density @ 15°C, kg/l, ASTM D 4052                          | 0.849 |

## Industry and OEM specifications

| <b>Sinopec Justar J600F Premium 5W-40 Engine Oil meets the performance requirements of the following industry specifications:</b> |                 |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------|
| ACEA                                                                                                                              | C3-08, A3/B3/B4 |
| API                                                                                                                               | SM/CF           |
| <b>Sinopec Justar J600F Premium 5W-40 Engine Oil holds the following formal industry approvals/licences:</b>                      |                 |
| API                                                                                                                               | SM/CF           |

| <b>Sinopec Justar J600F Premium 5W-40 Engine Oil meets the performance requirements of the following OEM specifications:</b> |                  |
|------------------------------------------------------------------------------------------------------------------------------|------------------|
| BMW                                                                                                                          | LL-04            |
| Mercedes-Benz                                                                                                                | MB 229.31/51     |
| Porsche                                                                                                                      | A40              |
| Volkswagen                                                                                                                   | VW 502 00/505 00 |

# 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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