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| Product | Sinopec TULUX T600F 5W-40 Diesel Engine Oil |
| Summary | Product description Sinopec TULUX T600F 5W-40 Diesel Engine Oil is a premium quality, heavy duty diesel engine oil formulated with fully synthetic base oils and a low SAPs additive package containing advanced dispersants and detergents. It is suitable for use in high speed, four-stroke cycle diesel engines fitted with exhaust gas aftertreatment systems designed to meet Euro IV (ADR 80/02) and Euro V (ADR 80/03) exhaust emissions standards. |

Applications

Sinopec TULUX T600F 5W-40 Diesel Engine Oil is suitable for use in:

- Heavy duty diesel engines fitted with modern exhaust gas aftertreatment systems, e.g. exhaust gas recirculation (EGR), diesel particulate filters (DPF) or selective catalytic reduction (SCR).
- Heavy duty diesel engines without exhaust gas aftertreatment systems
- High speed, four-stroke cycle diesel engines adopting other new technologies and meeting Euro IV (ADR 80/02) and Euro V (ADR 80/03) emissions standards.
- Heavy duty diesel engines requiring an API CJ-4 quality oil.
- Gasoline engines requiring an API SM quality oil.

Note: fuel sulfur levels above 15 ppm may impact on exhaust aftertreatment system durability and/or oil drain interval.

Features and benefits

- Excellent dispersant and detergent properties protect the oil from soot-related viscosity increase, prevent the formation of sludge and piston deposits, and reduce valve-train and soot-related wear, keeping the engine clean and reducing energy loss due to frictional wear.
- The synthetic base oil offers outstanding shear stability and protects the oil from viscosity loss due to shear in highly rated diesel engines, keeping the oil in grade, extending oil life, and ensuring optimum oil film thickness on moving engine parts.
- Provides effective protection for diesel engines fitted with modern exhaust gas aftertreatment systems designed to meet Euro IV (ADR 80/02) Euro V (ADR 80/03) emissions standards.
- Fully compatible with exhaust catalysts, so prevents catalyst poisoning.
- Ultra low oil evaporation loss, a feature of the synthetic base oil, reduces oil consumption and exhaust emissions.
- High viscosity index, synthetic base oil protects the engine at high temperatures and prolongs engine service life.
- Excellent antioxidant properties prevent oil thickening at high temperatures and ensure oil stays in grade for longer.
- Fully compatible with common elastomers used in engine seals, so reduces oil leakage.
- Meets a wide range of industry and OEM specifications, so useful in mixed-fleet operation where it can reduce inventory costs.

Typical data

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| Sinopec TULUX T600F 5W-40 Diesel Engine Oil | |
| SAE grade | 5W-40 |
| Kinematic viscosity, ASTM D 445 | |
| cSt @ 100°C | 14.31 |
| High-temperature, high-shear viscosity (HTHS), ASTM D4683 | |
| cP @ 150°C | 3.83 |
| Sulfated ash, wt%, ASTM D 874 | 0.99 |
| Total base number, mg KOH/g, ASTM D 2896 | 10.8 |
| Pour point, °C, ASTM D 97 | -41 |
| Flash point (COC), °C, ASTM D 92 | 228 |

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

Industry and OEM specifications

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| Sinopec TULUX T600F 5W-40 Diesel Engine Oil meets the performance requirements of the following industry specifications: | |
| ACEA | E7 and earlier specifications |
| API Service Classification | Diesel: CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 and earlier HDDEO specifications |
| | Petrol/Gasoline: SM |
| ASTM | D4485-2010 |

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| Sinopec TULUX T600F 5W-40 Diesel Engine Oil meets the performance requirements of the following OEM specifications: | |
| Caterpillar | ECF-3 |
| Cummins | CES 20081 |
| Detroit Diesel | DDC 93K214/93K215/93K218 |
| Mack | EO-O Premium Plus |
| MAN | 3575 |
| Mercedes Benz | 228.31 |
| MTU | Type 2.1 |
| Volvo | VDS-4 |
| Renault | RLD-3 |

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.

Issued: March 2014

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