



ENGINE OIL

15W40 Diesel Engine Oil

Sinopec T600 Diesel Engine Oil

Pack Size: 55 Gallon Drum

Shipping Weight: 485 lbs.

Dimensions: 23"x23"x35"

Sinopec Tulux T600 15W-40 is Synthetic Blend Diesel Engine Oil formulated with advanced low-SAPS (sulfated ash, phosphorus and sulfur) multifunctional additives formulated to meet the latest requirements of a wide range of engine manufacturers. Suitable for use in heavy duty diesel engines, including modern low-emission diesel engines and those using exhaust after-treatment systems. Also suitable for use in petrol/gasoline engines requiring an API SM quality oil.

APPLICATIONS

- Heavy duty diesel engines with EGR, DOC, SCR, DPF or other new technology low-emission systems, which require a low-ash lubricant in order to meet 2007 and later EPA on-highway exhaust emissions standards.
- Heavy duty diesel engines using exhaust after-treatment systems.
- Heavy duty diesel engines operating continuously under very heavy or high load-factor conditions.
- On-highway application in heavy-duty vehicles operating under severe conditions, such as long-distance or urban traffic vehicles; also suitable in light-duty on-highway applications.
- Petrol/gasoline engines requiring an API SM quality oil.
- Suitable for mixed fleet use.
- Off-highway applications that use emission control systems.

FEATURES AND BENEFITS

- Excellent extreme pressure and antiwear performance protects gears operating at high speeds and tooth pressures from abrasion, wear and welding, even in severe high-load and shock-loading conditions, extending component life.
- Excellent thermal and oxidation stability minimize the build up of deposits and varnish, reducing wear, extending component life and ensuring longer oil life.
- Protection against corrosion and rusting extends equipment life, and reduces maintenance costs.
- Good low-temperature fluidity ensures optimum lubrication, even in cold start-up conditions, and prevents startup wear.
- Good anti-foaming properties ensure optimum oil film thickness; protecting components against wear, and minimize oil leakage.
- Extended oil performance allow for maximum mileage between drain intervals.
- Multi-grade oils can be used over a wider temperature range, and so can reduce the need for seasonal oil

TYPICAL DATA

| | |
|-----------------------------------------------|--------|
| SAE Grade | 15W-40 |
| Kinematic viscosity, ASTM D 445 | |
| cSt @ 40°C | 112.6 |
| cSt @100°C | 15.16 |
| Dynamic viscosity, CCS, ASTM D 5293 | |
| cP @-20°C | 5390 |
| Mini-rotary viscometer (MRV), ASTM D 4684 | |
| cP @-25°C | 16,900 |
| High-temperature, high-shear viscosity (HTHS) | |
| cP @150°C | 4.3 |
| Viscosity index, ASTM D 2270 | 140 |
| NOACK volatility, ASTM D 5800 | 9.5 |
| Sulfated Ash, wt%, ASTM D 874 | 1.0 |
| Total base number, mg KOH/g, ASTM D 2896 | 9.76 |
| Pour point, °C, ASTM D 97 | -39 |
| Flash point (COC), °C, ASTM D 92 | 230 |
| Density @ 15°C, kg/l, ASTM D 4052 | 0.8740 |



OEM & INDUSTRY SPECIFICATIONS

| | |
|----------------------------|----------------------------------------------------------------------------------|
| ACEA | E7-08, E9-08 |
| API Service Classification | Diesel: CJ-4, CI-4 plus, CI-4 and earlier Petrol/Gasoline: SM, SL and earlier |
| Caterpillar | Cat ECF-3, Cat ECF-2, Cat ECF-1 |
| Cummins | CES 20081 |
| Detroit Diesel | 93K218, 93K215, 93K214 |
| Deutz | DQC III-10-LA |
| Ford | WSS-M2C171-E |
| JASO | DH-2, MA, MA2 |
| Mack | EO-N, EO-M Plus, EO-M, EO-O Premium Plus |
| Man | 3275 |
| Mercedes Benz | MB228.31 |
| MTU | MTU Type 2.1 |
| Renault | RLD-3 |
| Volvo | VDS-4, VDS-3, VDS-2 |

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.

FURTHER INFORMATION



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