

Product	Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil
Summary	Product description Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil is formulated with high viscosity index, synthetic base oils and advanced low-ash multifunctional additive technology to meet the particular requirements of the latest low-emission Euro IV & V & VI and Australian ADR 80/02 and 80/03 trucks and buses. It can also be used for older trucks and buses. It can also be used for older trucks and buses. Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil is a stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability.

Applications

Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil is suitable for use in:

- Highly rated diesel engines meeting Euro IV & Euro V & VI and Australian ADR 80/02 and 80/03 emissions requirements and running under very severe conditions, e.g. significantly extended oil drain intervals according to the manufacturer's recommendations.
- Engines fitted with particulate filters, designed for use in combination with low-sulfur diesel fuel.
- EGR engines, with or without particulate filters, with or without SCR NOx reduction systems.

Features and benefits

- High viscosity index, synthetic technology base oils provide improved oxidation control over conventional oils, reducing the formation of sludge and deposits, and reducing oil thickening, thereby keeping the product in grade for longer, extending oil life, allowing longer oil drain intervals and reduced maintenance and inventory costs.
- Very low oil evaporation loss leads to reduced oil consumption and reduced exhaust emissions.
- Outstanding soot and deposit control provide protection against piston deposits and valve train wear, and ensure engine cleanliness and smooth running.
- Low ash content provides excellent protection to modern low emission diesel engines, enabling them to meet stringent Euro IV & V & VI and Australian ADR 80/02 and 80/03 emissions requirements.
- Excellent control of aeration and foaming ensures protection of engine parts.
- High acid neutralization ability, together with TBN retention, provide rust and corrosion protection and prolong engine life.
- Fully compatible with exhaust gas after-treatment components.
- Good elastomer compatibility ensures longer gasket and seal life, and prevents oil leakage.
- Excellent low-temperature properties ensure good fluidity at low temperatures and protect against start-up wear.
- This ACEA E6 quality engine oil can be used in engines running on modern 5% biodiesel (B05) fuel.

Product Data Sheet

Typical data

Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil	
SAE grade	10W-40
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	85.0
cSt @ 100°C	12.8
Dynamic viscosity, CCS, ASTM D 5293 cP @ -25°C	6,540
Viscosity index, ASTM D 2270	149
NOACK volatility, ASTM D 5800	9.0
Sulfated ash, wt%, ASTM D 874	1.0
Total base number, mg KOH/g, ASTM D 2896	12
Pour point, °C, ASTM D 97	-34
Flash point (COC), °C, ASTM D 92	230
Density @ 15°C, kg/l, ASTM D 4052	0.8740

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

Industry and OEM specifications

Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil meets the performance requirements of the following industry specifications:	
ACEA	E6-12, E7-12, E4-12, E9-12
API Service Classification	Diesel: CJ-4, CI-4+, CI-4, CH-4 and earlier HDDEO specifications
JASO	DH-2
Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil holds the following formal industry approvals/licences:	

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

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Sinopec TULUX T600F LA 10W-40 Diesel Engine Oil meets the performance requirements of the following OEM specifications:	
Caterpillar	Cat ECF-3
Cummins	CES 20081
Deutz	DQC IV-10-LA
Mack	EO-N Premium Plus and EO-O Premium Plus
Man	M3573, M3477, M3271-1
Mercedes Benz	228.51, 228.31
MTU	MTU Type 3.1&2.1
Renault	RLD-3, RLD-2
Scania	LDF3
Volvo	VDS4, VDS-3
DDC	93K218

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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