

Product	Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40
Summary	Product description Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40 is formulated using Synthetic Technology with hydro-cracked high viscosity index base oils and Superior low SAPS additive packages. It is the new generation of DEO to meet strict new emission, long life protection performance and fuel economy and environmental standards. Suitable for use in high speed, four-stroke heavy duty low-emission diesel engines fitted with exhaust after-treatment systems designed to meet Euro V and Euro VI exhaust emissions standards.

Applications

Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40 is suitable for use in:

- Heavy duty diesel engines (HDDE) fitted with exhaust after-treatment systems, e.g. exhaust gas recirculation (EGR), diesel particulate filters (DPF) or selective catalytic reduction (SCR), which require a low-ash lubricant to meet Euro V & Euro VI or Australian ADR 80/02 and 80/03 emissions requirement.
- Heavy duty diesel engines operating continuously under very high speed, high temp or heavy load conditions, including on and off highway, trucking, bus, mining, construction, agriculture and marine applications in the world's harshest environment.
- Fully backwards compatible to those older HDDE using conventional designs without exhaust after-treatment systems.
- Heavy duty diesel engines requiring API CK-4, CJ-4 and earlier categories or ACEA E7/9 from America, Europe and Japan.

Features and benefits

By using Synthetic Technology hydrocracked base oils and the superior additive packages, Sinopec has produced the most advanced mixed fleet DEO seen in the market for over a decade:

- Provides extended long term protection all engine parts including DPF and SCR device, and proven longevity of after-treatment devices designed to meet the stringent Euro V or Euro VI emissions standards.
- Super anti-wear properties reduce engine component wear effectively extending engine life.
- Excellent oil oxidation resistance and improved control of the piston deposits along with enhanced dispersant/detergent properties prevent the formation of sludge and piston deposits, keeping the engine clean and reducing energy loss due to frictional wear.
- The highly refined base oil and premium viscosity modifier offer outstanding shear stability and prevent viscosity loss caused by the molecular shearing common in high speed diesel engines, extending oil life and ensuring optimum oil film thickness to provide protection on all moving engine parts.
- Providing high performance in both on and off- highway heavy-duty applications.
- Extending drain intervals while providing increased protection can lead to reduced downtime and increased profitability.

Typical data

Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40	
SAE grade	15W-40
Kinematic viscosity, cSt @ 100°C, ASTM D 445	14.25
CCS, cP@-20°C, ASTM D5293	3760
MRV, cP@-25°C, ASTM D4684	12100
High-temperature, high-shear viscosity (HTHS), cP @ 150°C, ASTM D4683	3.85
Total base number, mg KOH/g, ASTM D 2896	9.64
Pour point, °C, ASTM D 97	-43
Flash point (COC), °C, ASTM D 92	233

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

Industry and OEM specifications

Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40 meets the performance requirements of the following industry specifications:	
ACEA	E9, E7
API Service Classification	Diesel: CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 and earlier HDDEO specifications; SN
ASTM	D4485-15a
JASO	DH-2

Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40 meets the performance requirements of the following OEM specifications:	
Mack	EO-O Premium Plus, EO-N
Volvo	VDS-4, VDS-3
Cummins	CES 20081
Caterpillar	ECF-3, ECF-2
Detroit	93K218, 93K215
Daimler	MB 228.31
MAN	M3575
MTU	Category 2.1
Renault	RLD-3
Allison	TES 439

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: December 2016

© Sinopec 2016

Sinopec Diesel Engine Oil TULUX T700 CK-4 15W-40