

Product	Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil
Summary	Product description Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil is a premium-quality, heavy-duty diesel engine oil formulated with highly refined base oils and an advanced dispersant/detergent-containing additive system. For use in high-speed, four-stroke cycle diesel engines designed to meet 2004 exhaust emissions standards. Ensures engine durability in engines where exhaust gas recirculation (EGR) is used. Not suitable for engines with DPF.

Applications

Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil is suitable for use in:

- High-speed, four-stroke cycle diesel engines designed to meet 2004 exhaust emissions standards, which require an oil of API CI-4+ quality.
- Such engines running on diesel fuels ranging in sulfur content up to 0.5% weight.
- Heavy-duty diesel engines fitted with exhaust gas recirculation (EGR) or selective catalyst reduction (SCR) systems.
- Highly rated diesel engines meeting Euro IV and Euro V and Australian ADR 80/02 and 80/03 emissions requirements.
- Most heavy-duty diesel engines, except those fitted with diesel particulate filters (DPF).

Features and benefits

- Excellent dispersant/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.
- Outstanding shear stability protects the oil from viscosity loss due to shear in highly-rated diesel engines, keeping the oil in grade and extending oil life, and ensuring optimum oil film thickness on moving engine parts.
- High-TBN formulation, together with anti-corrosion properties, neutralises acidic combustion products and protects engine bearings from corrosion and wear; also enables longer oil-drain intervals and so reduces maintenance costs.
- Very low oil evaporation loss reduces oil consumption and exhaust emissions.
- High viscosity index base oil and effective antioxidant system protect the engine at high temperatures and prolong engine service life.
- 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.

Product Data Sheet

Typical data

Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil	
SAE grade	15W-40
Kinematic viscosity, ASTM D 445	
cSt @ 100°C	14.8
Sulfated ash, wt%, ASTM D 874	1.37
Total base number, mg KOH/g, ASTM D 2896	10.6
Pour point, °C, ASTM D 97	-37
Flash point (COC), °C, ASTM D 92	222
Density @ 20°C, kg/l, ASTM D 4052	0.857

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

Industry and OEM specifications

Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil meets the performance requirements of the following industry specifications:	
ACEA	E7
API Service Classification	Diesel: CI-4+, CF and earlier HDDEO specifications
	Petrol/Gasoline: SL
Global	DHD-1
JASO	DH-1

Sinopec Tulux T500 Plus 15W-40 Diesel Engine Oil meets the performance requirements of the following OEM specifications:	
Caterpillar	ECF-2, ECF-1A
Cummins	CES 20078/77/76/72/71
Detroit Diesel	93K214
Mack	EO-N Premium Plus 03, EO-M Plus, EO-M
MAN	3275/271
Mercedes Benz	228.3, 228.1
MTU	Type 1, Type 2
Volvo	VDS-3

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.

The SINOPEC trademark is registered and protected.

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PERFORMANCE IN MOTION

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