

Product	Sinopec CK-4 15W-40 Diesel Engine Oil
Summary	Product description Sinopec CK-4 15W-40 Diesel Engine Oil is a premium quality, heavy duty diesel engine oil formulated with highly refined base oils and low SAPS additive package containing advanced overall performance. It is suitable for use in high speed, four-stroke cycle diesel engines fitted with exhaust after-treatment systems designed to meet Euro V and Euro VI exhaust emissions standards.

Applications

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

- Heavy duty diesel engines fitted with exhaust after-treatment systems, e.g. exhaust gas recirculation (EGR), diesel particulate filters (DPF) or selective catalytic reduction (SCR).
- Heavy duty diesel engines without exhaust after-treatment systems
- High speed, four-stroke cycle diesel engines adopting other new technologies and meeting Euro V and Euro VI emissions standards.
- Heavy duty diesel engines requiring API CK-4、 CJ-4 and earlier categories.

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

Features and benefits

- High-quality base oil formulation extended vehicle DPF and SCR device life, and it is compatible for catalyst of vehicle after-treatment device, providing effective protection for diesel engines fitted with exhaust after-treatment systems designed to meet Euro V Euro VI emissions standards.
- Excellent oil oxidation resistance and improved performance of the piston carbon deposition.
- Super anti-wear properties extend engine life and reduce engine component wear effectively.
- Excellent 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 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.

- Typical data

Sinopec CK-4 15W-40 Diesel Engine Oil	
SAE grade	15W-40
Kinematic viscosity, ASTM D 445 cSt @ 100°C	14.25
Low-Temperature Cranking Viscosity, ASTM D5293 mPa•s	3760
Low-Temperature Pumping Viscosity, ASTM D4684 mPa•s	12100
High-temperature, high-shear viscosity (HTHS), ASTM D4683cP @ 150°C	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 and not as exact specifications.

Industry and OEM specifications

Sinopec CK-4 15W-40 Diesel Engine Oil meets the performance requirements of the following industry specifications:	
API Service Classification	Diesel: CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 and earlier HDDEO specifications
ASTM	D4485-15a

Sinopec CK-4 15W-40 Diesel Engine Oil meets the performance requirements of the following OEM specifications:	

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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