

Marine Diesel Engine Oil

CI-4, CH-4, CF-4 15W-40

Product Description

PetroChina Lubricant Company's 15W-40 series Diesel Engine Oil is of high performance that helps to extend engine life and draining intervals for use in the most severe and heavy duty applications. It is produced with advanced technology to deliver exceptional performance for use in high-output and low-emission engines including those with Exhaust Gas Recirculation (EGR) as well as older engines operating on low or higher sulphur fuel. Kunlun Marine 15W/40 exceeds the new requirement of API CI-4 service category.

Applications

It is recommended for use in high performance diesel applications including the latest turbo-charged, low emission engine designs featuring EGR technology. It is also recommended for use in a wide range of heavy-duty applications and industries like trucking, mining, construction, quarrying, and agricultural. This product also meets the latest API CI-4/SL specifications for gasoline engines and mixed fleets.

Features

- High level of engine cleanliness and wear protection.
- Excellent thermal and oxidation stability : reduced low temperature sludge build-up and high temperature deposits.
- Excellent TBN reserves: improved soot handling and extended draining intervals.
- Good shear stability : reduce oil consumption, provide wear protection, maintains viscosity in severe, high temperature operating conditions.
- Outstanding high temp/high shear performance: reduced engine scuffing and bore polishing which extends engine life.
- Excellent low temperature pumping ability : easier engine start-up and reduced wear.
- Outstanding resistance to corrosion : longer life for critical wear surfaces.
- Component compatibility: longer gasket and seal life.
- Meets demanding specifications of key OEMs and latest API gasoline service category: one engine oil for mixed fleet operations.
- Specifications API CI-4/CH-4/CF-4/SL/SJ & ACEA E5.
- Good anti-rust and anti-foaming properties.

Specifications

Properties		15W-40	Test Method
Kinematic Viscosity (40°C)	mm ² /s	116.96	ASTM D445
Kinematic Viscosity (100°C)	mm ² /s	15.56	ASTM D445
Total Base Number	mgKOH/g	12.06	ASTM D2896
Density at 15°C	Kg/m ³	890	ASTM D4052
Density at 20°C	Kg/m ³	887	ASTM D4052
Viscosity Index		141	ASTM D2270
CCS(-20°C)	mpa.s	6060	ASTM D5293
MRV(-25°C)	mpa.s	40000	ASTM D4310
Flash Point	°C	236	ASTM D92
Pour Point	°C	-33	ASTM D97

* Above product typical properties are indicative and subject to change without prior notice

Storage and Handling

- All storage equipments, tanks, pipes, valves and etc. apparatus has to be cleaned thoroughly and inspected to be clean for use before being used to transfer or transport 15W/40 high performance diesel engine oil to prevent contamination.
- 15W/40 must be stored in dedicated storage tanks/equipment and is recommended to be stored in an indoor and controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Product must be labeled clearly and properly during the entire transportation process to prevent mixing of other petrol-chemical product into 15W/40 high performance diesel engine oil