

Product Description

DEOMAX 15W-40 (API CI-4/SL) is a high-performance, multigrade heavy-duty diesel engine oil formulated using selected base oils and a balanced additive system designed to deliver reliable engine protection across a wide range of operating conditions.

It provides effective resistance against wear, oxidation, and thermal degradation, while controlling soot-related viscosity increase and deposit formation. This ensures maintained engine cleanliness, lubricant stability, and consistent performance under demanding operating environments such as high load, elevated temperatures, and extended operating hours.

The formulation supports dependable engine operation and durability in both on-highway and off-highway applications. It is suitable for turbocharged and naturally aspirated diesel engines, as well as mixed fleet operations where API CI-4/SL performance level lubricants are required.

Specification and Requirements

- API CI-4 / SL
- API CH-4, CF-4, CF, CD
- ACEA E7
- ACEA A3 / B4 / E3
- Cummins CES 20078, 20077, 20076
- Volvo VDS-3
- JASO DH-1
- Caterpillar ECF-2, ECF-1a
- Cummins CES 20072, 20071
- MAN M 3275-1
- MB 228.3
- Mack EO-N, EO-M Plus
- Detroit Diesel DFS 93K215
- Deutz DQC II
- MTU Oil Category 2

Product Sizes

- ☒ 200 Liters ☒ 18 Liters ☒ 4 Liters ☒ 1 Liter

Main Applications



- Heavy-duty diesel engines operating in on-highway and off-highway applications, including trucks, buses, and industrial equipment
- Naturally aspirated and turbocharged diesel engines requiring API CI-4 performance level lubricants
- Equipment operating under severe service conditions, including high load, high temperature, and extended operating hours
- Mixed fleet operations where a single lubricant is required for both diesel and gasoline engines
- Applications in construction, mining, quarrying, agriculture, and marine environments

Performance Benefits

- **Reliable Wear Protection.** Provides protection for critical engine components under heavy load and severe operating conditions, supporting extended engine life.
- **Good Oxidation and Thermal Stability.** Maintains lubricant integrity at elevated temperatures, reducing sludge formation and viscosity breakdown.
- **Effective Soot and Deposit Control.** Controls soot-related thickening and minimizes deposit formation, supporting engine cleanliness and consistent performance.
- **Corrosion Protection.** Protects engine components against rust and corrosion during operation and idle conditions.
- **TBN Retention for Acid Neutralization.** Maintains alkalinity reserve to neutralize acids formed during combustion, supporting sustained engine protection over service intervals.
- **Operational Versatility.** Suitable for a wide range of diesel engine applications across multiple industries and operating environments.

Test Physical Characteristics

Test Parameter	Test Method	Specification
Appearance	Visual	Clear
Color, ASTM	ASTM D1500	<2.0
Density @15°C, kg/l	ASTM D7777	0.8752
Kinematic Viscosity @40°C, cSt	ASTM D445	120.0
Kinematic Viscosity @100°C, cSt	ASTM D445	15.70
Viscosity Index	ASTM D2270	139
Total Base Number, mgKOH/g	ASTM D2896 (Proc. B)	9.2
Flash Point, COC, °C	ASTM D92	236

Health and Safety

Based on available information, this product is unlikely to produce any significant hazard on health when used for the recommended application provided in the Material Safety Data Sheet (MSDS). Guidance on Health and Safety is available on the appropriate Material Safety and Data Sheet, which can be obtained from <http://www.seaoil.com.ph>

Environment

Bring used oil to a permitted container and place. Do not throw it into the drain or soil.