

Product Data Sheet

Heavy Duty Diesel Engine Oil Multi-Grade (CI-4 Older Engines) Premium Gold

SAE: 15W40

Product Code: 342

OVERVIEW

Heavy Duty Diesel Engine Oil Multi-Grade [CI-4 (Older Engines)] 15W-40 is formulated to exceed the warranty requirements of most manufacturers of diesel and gasoline engines. It is designed for older engines and higher sulfur fuels (500 ppm and above). **Heavy Duty Diesel Engine Oil Multi-Grade CI-4 (Older Engines)** 15W-40 can be used over-the-road diesel trucks, off-highway diesel equipment, farm tractors, passenger cars and light trucks with diesel, turbo-charged diesel engines, or gasoline engines and is backward compatible with previous API Oil Categories.

FEATURES / BENEFITS

Heavy Duty Diesel Engine Oil Multi-Grade CI-4 (Older Engines) 15W-40 has excellent soot dispersancy (suspend) and wear control while providing outstanding protection against wear and corrosion. Its superior formula reduces sludge, protects against varnish formation and has superior anti-oxidation characteristics and high temperature stability.

APPLICATIONS

Heavy Duty Diesel Engine Oil Multi-Grade CI-4 15W-40 is designed to exceed the performance requirements of diesel engine manufacturers such as Caterpillar, Cummins, Detroit Diesel, Ford, Mack, Navistar, and Volvo. It is also formulated to provide outstanding performance in modern marine high-speed diesel engines including Caterpillar, Cummins, Volvo, Yanmar and Daihatsu, as well as transmissions requiring Allison C-4.

SPECIFICATION /Suitable for Use Claims

Exceeds Performance Requirements: API CI-4, CH-4, CG-4, SL • Allison C-4 • Caterpillar ECF-2, ECF-1a, TO-2 • Cummins CES 20071/72/76/77/78 • Detroit Diesel series 92, DDC series 2000, DDC series 4000. DDC series 50, DDC series 92 • Mack EO-N, EO-M Plus • Volvo VDS-3, VDS-2, VDS • Global DHD-1 • ACEA E2/E5/B3/A3/E7

ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER LUBRICANT OIL FOR YOUR EQUIPMENT.

TYPICAL TEST DATA

PRODUCT CODE	342
SAE GRADE	15W-40
API/ILSAC/ACEA Specifications	CI-4, CH-4, CG-4, and API SL
Specific Gravity@ 60°F	0.874
Viscosity, cSt @ 100°C	15.4
Viscosity, cSt @ 40°C	119
Viscosity, CCS cP @ -20°C	6270
Viscosity Index	135
Pour Point, °C	-34
Flash Point, °C	218
TBN (D2896)	10.2
Sulfated Ash wt	1.39
Calcium, wt %	0.3580
Phosphorus wt %	0.1084
Magnesium wt %	Nil
Zinc wt %	0.119
Nitrogen wt %	0.1029
Sulfur, Wt. (%)	0.450

The above test data are average values only. Minor variations which do not affect product performance are to be expected during manufacturing. Specific PDS for each product will be provided upon purchase.