

Product Data Sheet

Heavy Duty Diesel Engine Oil Multi-Grade CI-4 Premium Gold

SAE: 15W40

Product Code: 341

OVERVIEW

Heavy Duty Diesel Engine Oil Multi-Grade CI-4 15W-40 is formulated to exceed the warranty requirements of most diesel and gasoline engines. This oil is formulated to exceed the Mack EO-N Premium Plus '03 specification and the enhanced CI-4 Plus (supplemental) specification for use in EGR equipped heavy-duty diesel engines in high output service. **Heavy Duty Diesel Engine Oil Multi-Grade CI-4 15W-40** exceeds the performance requirements of most diesel engine manufacturers such as Caterpillar, Cummins, Detroit Diesel, Ford, Mack, Navistar, and Volvo. It can be used in over-the-road diesel trucks, off-highway diesel equipment, farm tractors, and passenger cars and light trucks with diesel engines, turbo-charged or non-turbo-charged and well as gasoline engines.

FEATURES / BENEFITS

- Heavy Duty Diesel Engine Oil Multi-Grade CI-4 15W-40**
- Reduces oil consumption
 - Prevents soot and sludge formation on piston rings
 - Increases engine power output
 - Provides protection against thermal breakdown.
 - Excellent cold temperature properties
 - Eliminates dry starts

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

APPLICATIONS

Heavy Duty Diesel Engine Oil Multi-Grade CI-4 15W-40 is recommended for use in a wide range of heavy duty applications and operating environments found in the trucking, construction, and agricultural industries. These products will meet the most demanding diesel engines requirements of Caterpillar, Cummins, Detroit Diesel and Mack.

SPECIFICATION /Suitable for Use Claims

Exceeds Performance Requirements:

API CI-4, CH-4, CG-4, CG, CF-4, CF
 API CI-4 Plus (Supplemental)
 API SL
 Caterpillar TO-2
 Cummins CES 20076, 20077, 20078
 Detroit Diesel series 2000 & 4000
 Detroit Diesel series 92
 MACK EO-N Premium Plus
 MAN 3275
 Allison C-4
 Volvo VDS, VDS-2, VDS-3
 Global DHD-1
 Cat ECF-1
 MB 228.3

TYPICAL TEST DATA

PRODUCT CODE	341
SAE GRADE	15W-40
API/ILSAC/ACEA Specifications	CI-4, CI-4 Plus, CH-4, CG-4, CG, CF-4, CF, API SL
Specific Gravity@ 60°F	0.874
Viscosity, cSt @ 100°C	15.55
Viscosity, cSt @ 40°C	120.38
Viscosity, CCS cP @ -205°C	6811
Viscosity Index	135
Pour Point, °C	-34
Flash Point, °C	218
TBN (D2896)	9.5
Sulfated Ash wt	1.3
Calcium, wt %	0.3580
Phosphorus wt %	0.1084
Magnesium wt %	Nil
Zinc wt %	0.119
Nitrogen wt %	0.093

Product Data Sheet

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.