

## ADVANTAGE 15W40 MACK CI-4 PLUS HD DIESEL ENGINE OIL

### OVERVIEW

ADVANTAGE 15W40 MACK CI-4+ HD DIESEL ENGINE OIL is formulated to meet or exceed the warranty requirements of most diesel and gasoline engines. This oil is formulated to meet 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. ADVANTAGE 15W40 MACK CI-4+ HD DIESEL ENGINE OIL meets the performance requirements of most diesel engine manufacturers such as Caterpillar, Cummins, Detroit Diesel, Ford, Mack, Navistar, and Volvo. It can be used with complete success 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

- Reduces oil consumption
- Prevents soot and sludge formation on piston rings
- Increases engine power output
- Provides protection against thermal breakdown.
- Excellent cold temperature properties

### APPLICATIONS

ADVANTAGE 15W40 MACK CI-4+ HD DIESEL ENGINE OIL 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.

### SPECIFICATIONS

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 PROPERTIES

<b>PRODUCT CODE</b>	<b>521</b>
SAE Grade	15W-40
CCS, cP @-20 C	6811
Viscosity, cSt/100 °C	15.55
Viscosity, cSt/40 °C	120.38
Viscosity Index	135
Pour Point, °C	-34
Sulfated Ash wt%	1.37
Calcium, wt %	.3290
Phosphorus wt %	.1270
Magnesium wt %	Nil
Zinc wt %	.1420
Nitrogen wt %	.093
TBN	9.5
Specific Gravity	0.8740
Flash Point, COC °F	218