



CANADA GOLD HEAVY DUTY DIESEL ENGINE OIL is developed to meet the EPA's 2007 On-Highway Exhaust Emission Standards which require significant reductions in nitrogen(Nox) and particulate matter(PM) for 2007 model year trucks and maximum chemical limits on sulfated ash(SA), phosphorus(P), and Sulphur(S) to address the emissions system compatibility and durability standards. The performance tests are a combination of existing CI-4Plus, CI-4 and CH-4 engine tests using today's diesel fuel(500 PPM's) combined with new engine tests using ultra low sulfur diesel fuel(ULSD=15 PPM) mandated for on road use. Considerable performance upgrade over CI-4Plus in terms of emission control combined with superior protection of valve train wear, piston deposit control and soot handling capability.

SAE GRADE	15W40
Density (D4052) kg/m@ 15°C	
Kinematic Viscosity (D445):	
cSt @ 40°C	118.5
cSt @ 100°C	15.7
Viscosity Index (D2270)	141
Viscosity Cp CCS	6300 @ -20°C
Viscosity Cp MVR TP1	19000 @ -25°C
Flash Point (D92), °C	236
Pour Point (D97), °C	-33
Specific Gravity 15.6°C (60°F)	0.871
Ash Sulphate, mass%	0.98%
*NOTE: VALUES SHOWN ABOVE ARE REPRESENTATIVE OF CURRENT PRODUCTION AND MAY VARY WITHIN MODEST RANGES	

Applications: Meets or exceeds the following service requirements:

- API: SM, SL, SJ, SH
- ACEA: E7
- CATERPILLAR: ECF-1a, ECF-2, ECF-3
- CUMMINS: CES 20081
- DETROIT DIESEL: 93K218
- MACK: EO-O Premium Plus '07
- MAN: M3275
- MB APPROVAL: 228.3, 228.31
- MTU: Type2
- VOLVO: VDS 4T