



# HEAVY DUTY 15W-40 CJ-4

*Sinclair Premium Plus LE Engine Oil 15W-40 EF CJ-4 is a premium diesel oil that meets the most stringent engine oil specifications available in today's market place. It meets or surpasses most domestic and imported heavy-duty truck manufacturers' warranty requirements including the new requirements for Exhaust Gas Recirculation (EGR) and new low emission engines with ULSD (2007 engines and later) equipped with Diesel Particulate Filters (DPF's). It provides excellent oil consumption control, protection against low-temperature and high-temperature deposits, and provides the highest level of wear protection.*



## APPLICATIONS

- Where API CJ-4, CI-4, CH-4, CG-4, CF-4, CF-2, CF, SL, and SM oils are recommended.
- Recommended for 2007 model year and newer engines equipped with Diesel Particulate Filters.
- Recommended for use in Caterpillar, Cummins, Detroit Diesel\*, Mack, Navistar, Waukesha, Volvo and many imported diesel engines.
- Recommended for most imported or domestic naturally aspirated or supercharged gasoline or diesel engines used in passenger cars, vans or trucks.
- In hydraulic systems requiring anti-wear, anti-foam, anti-rust and anti-oxidant properties are required.
- Provides the highest level of wear protection.

## PERFORMANCE

- Meets the requirements of Emission Gas Circulation (EGR) or ACERT.
- Outstanding oil consumption control.
- Superior performance over a wide range of fuel sulfur content.
- Excellent soot handling capability.
- Superior deposit control.
- Excellent wear protection.
- Superb oxidation stability.

### Meets:

Mack EO-0, EO-0 Premium Plus 07, EO-N Premium Plus '03, EO-M Plus  
Cummins CES 20081, 20077, 20076  
MTU/Detroit Diesel Series 4000  
Caterpillar ECF-3, ECF-1  
DDC Powerguard 93K218  
Volvo VDS-4, VDS-3, VDS-2, VDS  
ACEA E7-04/E4, E2  
DDC Powerguard 93K218, 93K215, 93K214



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## TYPICAL PHYSICAL PROPERTIES

	METHOD	TYPICAL RESULTS
Viscosity Grade		HD SAE 15W-40 CJ-4
Gravity, °API	ASTM D287	29.8455
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.877
Viscosity @ 40°C cSt	ASTM D445	118.8
Viscosity @ 100°C cSt	ASTM D445	15.61
Viscosity Index	ASTM D2270	138
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	4.2
Noack Volatility, % loss	ASTM D5800	11
Color	ASTM D1500	2.5
Zinc, wt. %	ASTM D5185	0.1287
Phosphorus, wt. %	ASTM D5185	0.115
Calcium, wt. %	ASTM D5185	0.12
Sulfur, wt. %	ASTM D4951	0.308
Magnesium, wt. %	ASTM D5185	0.083
Sulfated Ash, wt. %	ASTM D874	0.99
Nitrogen, wt. %	ASTM D4629	0.11
Pumping Viscosity at (°C), cP	ASTM D4684	23700 (-25)
TBN, mgKOH/g	ASTM D2896	10

Description	Pack Size	Part #	Each UPC	Case UPC	Case Dimensions	Case Cube / Pallet Cube	Case Weight / Pallet Weight	Pallet Stack
HD SAE 15W-40 CJ-4	6/1 Quart	523-006	0 14168-01609 4	0 14168-01769 5	L 9.500 x W 7.625 x H 9.625	0.403 / 68.194	12.510 / 1951.300	156 Cases (6 layers of 26)
HD SAE 15W-40 CJ-4	6/1 Gallon	523-007	0 14168-01610 0	0 14168-01664 3	L 15.750 x W 13.125 x H 12.750	1.525 / 62.222	49.552 / 1783.875	36 Cases (4 layers of 9)
HD SAE 15W-40 CJ-4	2/2.5 Gallon	523-009	0 14168-01727 5	0 14168-01726 8	L 14.000 x W 9.536 x H 14.375	1.111 / 53.472	39.842 / 1553.823	39 Cases (3 layers of 13)
HD SAE 15W-40 CJ-4	5 Gallon	523-008	0 14168-01623 0	N/A	L 12.500 x W 12.500 x H 15.500	1.402 / 60.083	41.690 / 1729.085	42 Eaches (3 layers of 14)
HD SAE 15W-40 CJ-4	30 Gallon	523-004	0 14168-01728 2	N/A	L 19.500 x W 19.500 x H 29.250	6.437 / 38.056	242.216 / 1211.082	5 Drums
HD SAE 15W-40 CJ-4	55 Gallon	523-003	0 14168-01682 7	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	435.230 / 1740.290	4 Drums
HD SAE 15W-40 CJ-4	330 Gallon	523-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 72.000	2,533.990	1 Tote

