

PARTS PLUS



Heavy Duty Diesel Engine Oil

(03/30/2015 edition)

Parts Plus Synthetic Blend 15W40 Motor Oil is a new high performance semi-synthetic diesel engine oil developed to offer the ultimate in diesel engine oil protection for your new and expensive equipment by offering a better and stronger armor against wear, improved performance and greater fuel economy. This oil is especially equipped to protect new 2007 and later EGR/Low-Emission Diesel Engines while maximizing the durability of Diesel Particulate Filters (DPF's).

New additive systems and rigorous laboratory and field testing have proven that Parts Plus Synthetic Blend 15W40 is up to the task of protecting your engine; helping your engine operate within the new emission and pollution requirements as well as meeting or exceeding the OEM requirements for every new engine being built by every engine manufacturer worldwide, including but not limited to: Caterpillar, Cummins, DaimlerChrysler (Mercedes Benz), Detroit Diesel, Volvo, Mack (*including the new and more stringent Mack EO-O Premium Plus 2007*), MAN, and Navistar.

Parts Plus Synthetic Blend 15W40 oil is specifically engineered to meet the manufacturers' prerequisite for performance, TBN, and balanced low ash (1% maximum) requirements. It will deliver superior long lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines whether in highway or off-highway equipment. It is formulated for extended service/extended drain when operated under typical operating conditions and are engineered to help promote fuel economy.

Parts Plus Synthetic Blend 15W40 meets or exceeds the new API CJ-4/SN Service Classification and meet prior API specifications for CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF-2, CF and API SL, SJ, and SH. These oils are registered Mack EO-O Premium Plus '07, and meet prior specifications for EO-N Premium Plus, EO-M Plus, and EO-M. This oil is also registered to Detroit Diesel 93K218, 93K215, and 93K214; Cummins CES 20081, 20078, 20077, 20076. This oil meets Allison C4 and C3 fluids and Caterpillar ECF-3, ECF-1, TO-2. This oil is also registered for the following European and Asian approval standards: Volvo VDS-4, VDS-3, VDS-2 and meets specifications for Global DHD-1; JASO DH-2 and DH-1. This oil is engineered to be robust enough to meet MB 228.5, 228.3, 228.1, 227.1; Man 3275; MTU Type I & II; ACEA E7-04, E5, E3, A3/B4, A3B3; and Renault RLD-3. This highly advanced diesel engine oil is recommended for use in MIL L 2104-G, MIL L 46152-E, and CID A-A-52306 applications.

Some performance levels are limited by viscosity grades. Please consult the Performance Application Chart, the Inspection Data Table for the appropriate product or contact your District Manager for more complete information and recommendations.



TYPICAL INSPECTION DATA

	API Gravity	Flash Point C.	Viscosity cSt @100C	Viscosity cSt @40C	VI	Pour Point, C.	TBN (D-2896)
Synthetic Blend (CJ-4/SN)							
15W-40 *	29.7	215	15.80	126.0	131	-30	10

* Also meets 1% maximum ash requirements

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	Maximum Duty-Plus
API: CJ-4 / SN	√
CI-4 Plus	√
CI-4, CH-4, CG-4	√
CF-4	√
CF-2 [1] CF/CD	√
SL/SJ/SH [2]	√
Allison C-4, C-3	√
Mil-PRF-2104G(AA52306)	√
Mil-L-2104-B, Mil-L-46152	√
Caterpillar TO-2	√
ECF-3	√
ECF-1, SEBU 6250	√
Mack EO-O Premium Plus 07	√
EO-N Premium Plus 03	√
EO-N Premium Plus	√
EO-M, EO-M Plus	√
Cummins CES 20081	√
CES 20078, 76, 71	√
CES 20077, 72	√
JASO DH-2	√
DH-1	√
Global DHD-1	√
Navistar TSI-99-12	√
Detroit Diesel 93K218, 93K215	√
93K214	√
7SE270 [3]	√
Daimler Chrysler 228.5	√
DC(MB) 228.3, 228.2	√
DC(MB) 228.1, 228.0	-
ACEA ,A3/B4,A3/B3	√
E7,6,5,4,3,2,1	√
Volvo VDS-4	√
VDS-3, 2	√
Renault RDL-3	√
Man 3275/3277	√
270/271	√
MTU Type II, Type III	√
Type I	√

NOTES:

[1]= CF-2 primary recommendation for two-cycle engines; single grades.

[2]= Above Preferred Phosphorus level of API SL/SJ (10W-30).

[3]= Multi-grade oils recommended for four-cycle engines, single grade oils for two-cycle engines