

PRIMO®

PRODUCT DESCRIPTION

PRIMO® Gold, Silver, Bronze & Heavy Duty Performance Diesel Engine Oils are formulated with the highest quality virgin base oils and latest additive technologies to deliver outstanding performance while protecting critical engine parts. PRIMO® oils exceed the toughest US performance standards for API CK-4, CJ-4/SN, CI-4+/SL. Refer to the vehicle manual for fluid & maintenance recommendations. PRIMO® oils are warranted against defect when used & stored properly.

FEATURES & BENEFITS

- Superior thermal stability & endurance under high temperature operating conditions
- Protection against sludge & soot and engine wear for peak engine performance
- Reduces oil consumption under toughest service conditions

TYPICAL TEST DATA

ASTM TEST NAME	Test Method	CK-4		CK-4		CI-4+/SL	
		5W-30	5W-40	10W-40	15W-40	15W-40	20W-50
Kinematic Viscosity @ 100° C, cSt	D445	10.8	14.5	14.5	14.5	14.5	18.0
Kinematic Viscosity @ 40° C, cSt	D445	66.1	91.75	94.4	100.25	103.4	154.45
Viscosity Index	D2270	155	165	160	150	145	130
Flash Point °C / °F	D92	210 / 410	215 / 419	215 / 419	225 / 437	220 / 428	230 / 446
Pour Point °C / °F	D97	-40 / -40	-40 / -40	-38 / -36	-35 / -31	-34 / -29	-30 / -22
Specific Gravity @ 60°F	D4052	9	9	9	9	10	10
NOACK Volatility, %	D5800	12	11	10	9	10	8
Color	D1500	3.5	3.5	3.5	3.5	3.5	3.5

Typical test data may vary. Minor variations, which do not affect performance, may occur.

TYPICAL APPLICATIONS CK-4, Synthetic & Synthetic Blend

- 5W-30 meets the performance requirement of API CK-4, ACEA E9, MB 228.51, Caterpillar ECF-3, Mack EOS 4.5, Cummins CES 20086, Detroit Diesel DFS 93K222, Renault VI RLD-4
- 5W-40, 10W-40, 15W-40 meet the performance requirements of API CK-4, ACEA E9, Allison C-4, MAN 3275/3575, DD DFS 93K222, MB 228.3/.31, Mack EO-0/EOS-4.5, MTU 2.1, Global DHD-1, Ford WSS-M2C171-E, Renault RLD-4, Volvo VDS-4

TYPICAL APPLICATIONS CI-4+/SL, Conventional

- Meets the performance requirement of API CI-4 Plus, CI-4, CH-4, CG-4, CF, SL, SJ and ACEA E2/E3, CAT ECF-1-a MTU-1, MB 228.1/229.1, Mack EO-M Plus, Cummins CES 20076, DDA 93K214, MAN 271, VW 501/505, MTU-1, Volvo VDS-2, Renault Truck RD/RD-2, JASO DH-1, Global DHD-1, ZF TE-ML 07C.

SHIPPING & PACKAGING DATA

PACKAGE SIZE	UNIT WEIGHT	UNIT VOLUME CU.FT	PALLET QUANTITY	PALLET WEIGHT
Case 12/ QT (946 mL)	24.5	0.78	98	2445
Case 4/ GL (3.78L)	32.5	1.03	60	1995
Pail 5 GL (18.9L)	38.0	1.24	42	1640
Drum 55 GL (208 L)	428	10.52	4	1760
Tote 265 GL (1000 L)	1930	49.4	1	1930

HANDLING AND SAFETY INFORMATION - Refer to (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

