

SEMI-SYNTHETIC MOTOR OIL CI-4/SL

XL-0830 is a "state of the art" semi-synthetic motor oil that has been formulated to meet the demands for superior lubrication in today's gas or diesel engines.

XL-0830 Semi-synthetic motor oil, with its inherent high VI characteristics, will facilitate low-temperature engine starting.

Environmental concerns regarding emissions and their control require that engines run hotter and faster. These demands produce a situation that requires engine oils to have higher cooling and lubricating qualities. Extended valve-train warranties, turbo and injection systems also require superior engine oils that will not break down under severe operating conditions.

XL-0830 Semi-Synthetic easily meets the challenge.

XL-0830 Semi-Synthetic motor oil is available in all standard SAE grades.

XL-0830 Semi-Synthetic motor oil fortified with a proven **CI-4 / SL** detergent package will outperform earlier CH-4 / SJ oils with:

- 60% less sludge
- 100% less valve-train wear
- 600% less oil thickening
- Extended oil change interval

TYPICAL SPECIFICATIONS								
Product Code: XL-0830	/053	/054	/103	/104	/154	/030	/040	/050
SAE Grade	5W30	5W40	10W30	10W40	15W40	30	40	50
Viscosity (cst @ 40°C) (ASTM D-445)	60.3	84.0	62.3	92.3	97.2	62.5	90.3	152
(cst @ 100°C) (ASTM D-445)	10.5	13.0	11.5	13.7	14.3	11.8	13.3	17.2
Viscosity (cP @ -25°C) (ASTM D-2983)	2700	3300	-	-	-	-	-	-
(cP @ -20°C) (ASTM D-2983)	-	-	3050	3200	-	-	-	-
(cP @ -15°C) (ASTM D-2983)	-	-	-	1680	3000	-	-	-
Viscosity Index	165	155	182	151	151	188	148	124
Flash Point (°C)	200	203	203	204	208	220	235	240
Pour Point (°C)	-53	-50	-43	-40	-39	-35	-30	-18
Pumpability (°C)	-39	-50	-36	-34	-29	-	-	-
Specific Gravity (g/ml)	0.86	0.86	0.86	0.87	0.88	0.87	0.87	0.88
Total Base Number (TBN)	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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XL-0830 meets all of the following OEM specifications:

API (American Petroleum Institute)	CI-4, CI-4 PLUS, CH-4, CF-4, SL, SJ, SH, SG, SF, "Energy Conserving" (EC-II) "Fuel saving"
Daimler Chrysler	228.1 Blanket, 229.1 Blanket
Ford	ESE-M2C153 E
General Motors	6085 M
JASO (JAPAN).....	M328-83, M331-84, M333-86
U.S. Army.....	MIL-L-46152 D, MIL-L-21260, MIL-L-2104E
Volkswagen.....	500.00, 501.01, 505.00
MACK.....	EO-N Premium Plus 03
Cummins	CES 20078, CES 20076, CES 20072
ACEA.....	E2/E5/E7
MAN	271
Volvo	VDS-2
MTU	Type 2
DDC	Series 2000/4000 Category 1; Power Guard
ILSAC.....	GF-Compliant
Caterpillar.....	ECF-1&2
MB.....	228.3



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