



LE PRODUCTS
MANUFACTURED
UNDER AN ISO
9001:2000
CERTIFIED QUALITY
SYSTEM

8800 MONOLEC ULTRA® ENGINE OIL

Long-drain SAE 15W-40 engine oil designed for year-round extended drain service in diesel and gasoline engines for fleet and industrial use.

LE's 8800 MONOLEC ULTRA® Engine Oil provides the most desired features and benefits for heavy-duty service in diesel and gasoline engines. Through a unique formulation available only from Lubrication Engineers®, Inc., 8800 MONOLEC ULTRA® Engine Oil offers exceptional service.

The dependable 15W-40 viscosity range is made possible by a shear-stable viscosity modifier developed and proven by LE through years of research and actual field experience. It is especially formulated for 2007 low-emission engines and is backwards compatible for use in older diesel engines as well. LE's 8800 MONOLEC ULTRA® Engine Oil contains MONOLEC®, LE's exclusive wear reducing additive and select 100% paraffinic base oils. ***No other brand of petroleum lubricating oil, regardless of price, will be found superior in condition to LE's MONOLEC ULTRA® Engine Oil at the end of any given period of use.***



WHAT IS MONOLEC®?

MONOLEC® is LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of applications. It is an invaluable component in LE's engine oils, industrial oils and other lubricants bearing the MONOLEC® trademark.

MONOLEC® creates a singular molecular lubricating film on the metal surface, vastly increasing film strength without affecting tolerances. MONOLEC® allows opposing surfaces to slide by one another, greatly reducing friction heat and wear.



- ⓁE Contains shear resistant viscosity index improvers that provide good viscosity properties at both high and low temperatures.
- ⓁE Low SAPS (sulfated ash, phosphorous and sulfur) formula that minimizes poisoning of SCR (selective catalytic reduction) and particulate filtration traps to reduce emissions.
- ⓁE Safe extended drain intervals of up to 100,000 miles in diesel engines and up to 25,000 miles in gasoline engines with specified filter changes and periodic scheduled oil analysis.
- ⓁE All-season, all-weather performance affords minimal drag during startup at low temperatures, while effectively lubricating at high temperatures.
- ⓁE Superior anti-wear protection through two anti-wear agents which work together to reduce wear to an absolute minimum.
- ⓁE Reduced oil consumption. 8800 MONOLEC ULTRA® Engine oil has continuously cut oil consumption up to 60% in field tests and even more in actual usage. Individual results vary with engine and operating conditions.
- ⓁE Improved fuel mileage was proven in tests to increase fuel efficiency up to 2.5%, with greater increases being realized by many users.
- ⓁE Long service life comes from oxidation inhibitors combined with select 100% paraffinic base oil which prevents excessive thickening or deposit formation.
- ⓁE Heavy-duty detergents and dispersants keep engine parts clean and keep contaminants in suspension until removal by draining the oil.
- ⓁE Nonfoaming in service to provide smooth engine performance.
- ⓁE Improved fleet reliability and uptime. No fleet can afford unscheduled downtime. LE's 8800 MONOLEC ULTRA® Engine Oil is the only choice for dependable service in all conditions.

**LUBRICATION
ENGINEERS®, Inc.**

Leaders in Lubricants



8800 MONOLEC ULTRA® Engine Oil Technical Data

PHYSICAL CHARACTERISTICS – TYPICAL:

SAE Grade	15W-40
Gravity, °API	29.5
Viscosity,	
SUS @ 100°F	600
SUS @ 210°F	82.3
cSt @ 40°C	129.3
cSt @ 100°C	16.1
cP @ -20°C, ASTM D-5293	6,500
cP @ -25°C, ASTM D-4684	26,100
HTHS Viscosity @ 150°C, cP, ASTM D-4683	4.1
Viscosity Index	130
Color	Red
Flash Point, °F (°C), min.	430 (221)
Pour Point, °F (°C) max.	-24 (-31)
Total Base Number (TBN),	10.0
Sulfated Ash, Mass%	1.0
Elemental Sulfur, %	≤0.40
Elemental Phosphorous, %	≤0.12

SPECIFICATIONS EXCEEDED:

API CJ-4, CI-4, CI-4 Plus/SM, SL	Mack EO-O Premium Plus 07, EO-N
ACEA E7-04, E4, E2 Demonstration	Premium Plus 03, EO-M Plus, EO-M
JASO DH-2 Demonstration	Volvo VDS-4, VDS-3, VDS-2
Global DHD-1	Cummins CES 20081, CES 20077, CES20076
Allison C-4 Transmission	Detroit Diesel 93K218, 93K215, 93K214
MB P228.3	Caterpillar ECF-3, ECF-1
Renault RLD-3	MTU Type I & II
	MAN 3275

RECOMMENDATION:

Not for use with silver alloy bearings such as EMD engines (Electro-Motive Division of GM). When used in Cummins engines requiring an oil that meets the CES 20078 spec, do so in coordination with a used oil monitoring program.



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