



**Lubrication Engineers, Inc.**  
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**Item # 8800-QUART, Monolec Ultra® Engine Oil 8800**

*Extended-Drain CK-4 Oil Offers Ultimate Package of Performance & Protection for Diesel Engines*

List Price	-
QUOTE	

Monolec Ultra® Engine Oil provides exceptional performance and extended-drain service for on- and off-road diesel engines, including stationary engines. It has been formulated to exceed API's CK-4 technology standards focusing on engine wear protection, oxidation stability, shear stability, resistance to aeration, and compatibility with low emission engines. With its superior formulation of select



[+ more](#)

[Benefits and Recommendations](#) | [Physical Characteristics - Typical](#) | [Performance Test Results](#)

Benefits and Recommendations	
Available Container Size	Quart
Buy this LE Product!	Don't See Pricing? <a href="#">Register Today!</a>
Cost-Saving Service	
<ul style="list-style-type: none"><li>Extends oil drain intervals* with</li></ul>	

specified filter changes and periodic oil analysis (ask your LE consultant about the Xamine® Oil Analysis Program)

- Reduces oil consumption
- Improves fuel economy
- Protects against engine wear, extending life

### ***Premium Performance***

- Protects against deposits, keeping engine parts clean
- Neutralizes acids generated from oxidation, preventing corrosive damage
- Prevents thermal degradation, loss of lubricity and engine cavitation with improved aeration control
- Decreases engine noise

### ***All-Weather Performance***

- Maintains viscosity at high and low temperatures
- Allows oil flow at extremely cold temperatures
- Ensures minimal drag during cold startups
- Effectively lubricates at high temperatures

### ***Greener Technology***

- Specially formulated to meet API CK-4 standards for low emission engines
- Compatible for use with biodiesel-containing fuels
- Compatible for use in vehicles equipped with diesel particulate filters
- Works in conjunction with EGR engines to manage soot and other exhaust contaminants
- Low SAPS formula minimizes poisoning of SCR systems and particulate filtration traps

## **Beneficial Qualities**

LE's proprietary additives are used

### Proprietary Additives

exclusively in LElubricants. Monolec Ultra® Engine Oil contains Monolec.

**Monolec** wear-reducing additive creates a single molecular lubricating film on metal surfaces, vastly increasing oil film strength without affecting clearances. An invaluable component in LE's engine oils, industrial oils and many of its other lubricants, Monolec allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.

### Performance Requirements Met or Exceeded

- ACEA E7, ACEA E9-2012
- API-SAE Service CK-4, CJ-4, CI-4, CI-4 Plus, CH-4
- Caterpillar, ECF-2 and ECF-3
- Cummins CES 20086, CES 20081
- Daimler MB 228.31
- Detroit Diesel DFS 93K222, DFS 93K218
- Ford WSS M2C171-F1
- Mack EOS-4.5, EO-O Premium PLUS, EO-N
- MAN M3575
- MTU category 2.1
- Renault RLD-4, RLD-3
- Volvo VDS-4.5, VDS-4, VDS-3

### Typical Applications

- On- and off-road diesel engines, including over-the-road tractor trailers, pickup trucks, construction and mining equipment, farming equipment, and more
- Stationary diesel engines, such as generators and irrigation pumps
- Backward compatible for use in older diesel engines

- Not for use in low-emission gasoline engines

Cautions

- Not for use in engines with silver alloy bearings
- 8130: When used in Cummins engines requiring oil that meets the CES 20078 spec, do so in coordination with a used oil monitoring program.

Asset Reliability Solutions

[Reliability Solution Products](#)

[0703 704 1275 8800 PJS Trucking](#)

[0704 7500 8800 BLT Brothers Inc](#)

[2410 & 8800 ATE](#)

[2410 & 8800 Jim Leons](#)

[6520 8800 Lamar Advertising](#)

Customer Testimonials

[8800 Adamson Inc](#)

[8800 Beaufort Jasper](#)

[8800 City of High Point](#)

[8800 Cox Wood Preserving Co](#)

[8800 John West Automotive](#)

Physical Characteristics - Typical

Color

Red

SAE Grade

15W-40

Performance Test Results

Relative Density @ 60°F/60°F,  
ASTM D1298

0.876

<b>Viscosity @ 100°C, cSt, ASTM D445</b>	15.25
<b>Viscosity @ 40°C, cSt, ASTM D445</b>	113.2
<b>Viscosity Index ASTM D2270</b>	141
<b>Viscosity-HTHS @ 150°C, cP, ASTM D4683</b>	4.0
<b>Viscosity-CCS @ -20°C, cP, ASTM D5293</b>	4,635
<b>Viscosity-MRV TP-1 @ -25°C, cP, ASTM D 4684</b>	17,840
<b>Flash Point °C (°F), (COC), ASTM D92</b>	221 (430)
<b>Pour Point °C (°F), ASTM D97</b>	-31 (-24)
<b>Copper Corrosion 3 hrs @ 100°C, ASTM D130</b>	1b
<b>Ash-Sulfated %, ASTM D874</b>	1.00
<b>Acid Number mg KOH/g, ASTM D664</b>	3.46
<b>Base Number ASTM D2896</b>	10.0