



# DURALEC ULTRA™

## 15W-40 HD CI-4 HIGH PERFORMANCE DIESEL MOTOR OIL

### BEYOND SYNTHETIC™

Royal Purple's Duralec Ultra 15W-40 API CI-4 / SL motor oil is recommended for use in both two-cycle and four-cycle diesel applications including automotive, commercial fleet and stationary industrial diesel engines.

Royal Purple Duralec Ultra 15W-40 API CI-4 / SL motor oil is a tough, long life, high performance oil that delivers superior protection and enhanced performance to gasoline and diesel engines. It gains its performance advantages from a blend of synthetic base oils plus Royal Purple's advanced synthetic additive technologies.

Royal Purple's proprietary additive technologies greatly reduce engine wear, including ring, cylinder and bearing wear. It is extremely tenacious, adheres to engine surfaces and remains after shutdown, which provides protection upon initial startup.

### SYNERLEC® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synerlec additive technology that gives its lubricants their amazing performance advantages. Synerlec additive technology truly is beyond synthetic.

Synerlec additive technology forms a tough, slippery, synthetic film on all metal surfaces. This proprietary film significantly improves lubrication: first, by increasing the oil film's thickness, and second, by increasing the oil film's toughness, both of which help to prevent metal-to-metal contact. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

### PERFORMANCE ADVANTAGES

- **Greater Wear Protection**  
Royal Purple's advanced additive technologies form a tough, tenacious film on all metal surfaces virtually eliminating engine wear.
- **Greatly Extends Oil Drain Intervals**  
Royal Purple Motor Oil is extremely oxidation stable and stands up to the heat that causes oils to thicken, form lacquer and varnish deposits, lose its lubricity and shorten the life of both the oil and the engine.
- **Superior Corrosion Protection**  
Royal Purple's advanced additive technologies protects during normal and severe operation and acts as a preservative oil during shut-down, which provides protection upon initial startup.
- **Saves Fuel**  
Royal Purple Motor Oil's low coefficient of friction routinely produces meaningful improvements in fuel economy.
- **Reduces Exhaust Emissions**  
Royal Purple Motor Oil provides a superior seal between the piston ring and cylinder wall, which reduces blow-by, improves combustion efficiency and measurably reduces harmful emissions.
- **Increases Horsepower**  
Royal Purple Motor Oil increases horsepower and torque over conventional oils.
- **Keeps Engines Clean**  
Royal Purple Motor Oil's natural solvency cleans deposits left by old oils and keeps engines clean.
- **Mates Engine Parts**  
Royal Purple's advanced additive technologies allow engine parts to perfectly mate. Mated parts allow engines to run smoother with increased efficiency for maximum performance.
- **API Warranty Compliant**  
Royal Purple's SAE grade motor oils are API licensed. They are compatible with other mineral and synthetic motor oils. Switching is easy. Drain old oil. Change the filter. Add Royal Purple Motor Oil. Follow manufacturer's recommended drain intervals during warranty.
- **Will Not Harm Seals**  
Royal Purple Motor Oil has the same excellent seal compatibility as mineral engine oils.
- **Environmentally Responsible**  
Royal Purple Motor Oil components are TSCA listed and meet EPA, RCRA and OSHA requirements. Royal Purple Motor Oil extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.



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TYPICAL PROPERTIES*	ASTM METHOD	SAE GRADE
		15W-40**
Viscosity	D445	
cSt @ 40°C		110.1
cSt @ 100°C		14.9
cSt @ 100°F		567
cSt @ 210°F		79
Viscosity Index	D2270	140
Pumping Viscosities	D4684	
cP @ -40°C		---
cP @ -35°C		---
cP @ -30°C		---
cP @ -25°C		---
cP @ -20°C		---
Flash Point, °F	D92	435
Fire Point, °F	D92	470
Total Base Number, mgKOH/g	D2896	10.5

\*Properties are typical and may vary \*\*API energy conserving. 15W40 meets Cummins CES 20081, DDC Powerguard 93K218, Mack E0-0 Premium Plus, Renault VI RLD-3 and Volvo VDS-4 engine oil requirements.

Royal Purple Duralec Ultra 15W-40 API CI-4 / SL motor oil meets or exceeds car manufacturer's oil specifications and will not void warranty. Follow the manufacturer's recommended drain intervals during warranty.

Note: Engine oil's solvency cleans wear metals and deposits left by previous oils. These wear metals and deposits can cause abnormally high values on used oil analysis until the engine is clean.