



DURALEC ULTRA™

CI-4 / CI-4+ HIGH PERFORMANCE DIESEL MOTOR OIL

BEYOND SYNTHETIC™

Duralec Ultra API motor oil is recommended for use in both two-cycle and four-cycle diesel applications including automotive, commercial fleet and stationary industrial diesel engines.

Duralec Ultra API 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**
Duralec Ultra's advanced additive technologies form a tough, tenacious film on all metal surfaces virtually eliminating engine wear.
- **Greatly Extends Oil Drain Intervals**
Duralec Ultra 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**
Duralec Ultra's advanced additive technologies protect during normal and severe operation and acts as a preservative oil during shut-down, which provides protection upon initial startup.
- **Saves Fuel**
Duralec Ultra Motor Oil's low coefficient of friction routinely produces meaningful improvements in fuel economy.
- **Reduces Exhaust Emissions**
Duralec Ultra 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**
Duralec Ultra increases horsepower and torque over conventional oils.
- **Keeps Engines Clean**
Duralec Ultra Motor Oil's natural solvency cleans deposits left by old oils and keeps engines clean.
- **Mates Engine Parts**
Duralec Ultra'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**
Duralec Ultra'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 Duralec Ultra Motor Oil. Follow manufacturer's recommended drain intervals during warranty.
- **Will Not Harm Seals**
Duralec Ultra Motor Oil has the same excellent seal compatibility as mineral engine oils.
- **Environmentally Responsible**
Duralec Ultra Motor Oil components are TSCA listed and meet EPA, RCRA and OSHA requirements. Duralec Ultra 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	
		10W-30 CI-4 /SL	15W-40** CI-4+ /SL
Viscosity	D445		
cSt @ 40°C		67.3	109.7
cSt @ 100°C		10.5	15.13
Viscosity Index	D2270	144	144
Pumping Viscosities	D4684		
cP @ -30°C		19,100	---
cP @ -25°C			15,700
Cranking Viscosity	D5293		
cP @ -25°C		4858	
cP @ -20°C			5183
Flash Point, °F	D92	434	425
Pour Point, °F	D6892	-48	-49
Total Base Number, mgKOH/g	D2896	10.5	10.5
Sulphated Ash, % Max.	D874	1.4	1.4

Royal Purple Duralec Ultra API CI-4 / CI-4+ 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.

*Properties are typical and may vary

**API energy conserving. 15W40 meets API CI-4 PLUS/SL, ACEA A3/ B3/ E3/ E5, CAT ECF-2, Cummins CES 20078, DDC Powerguard 93K214, Mack EO-N Premium Plus 03 and Volvo VDS-3 engine oil requirements.