



Triton® ECT Full Synthetic Motor Oil

Triton ECT Full Synthetic Motor Oil is a premium quality, full-synthetic engine oil developed for use in four-stroke cycle diesel engines operating under extreme temperature conditions. It meets API CJ-4 performance requirements for use in modern low-emission engines designed to meet 2007 and later EPA on-highway exhaust emissions standards, and is backward serviceable for use in older diesel engines. It is specially formulated to protect exhaust aftertreatment devices such as diesel particulate filters (DPF), diesel oxidation catalysts (DOC) and selective catalytic reduction (SCR) systems. The full-synthetic formulation and SAE 5W-40 viscosity grade provide excellent low-temperature properties for better performance in harsh winter climates.

Triton ECT Full Synthetic is formulated with synthetic base stocks and an advanced low-SAPS additive package to provide outstanding wear protection, soot control and bearing corrosion protection in both conventional and EGR-equipped diesel engines. It has excellent soot dispersancy to protect against abrasive wear and soot-induced oil thickening, and to ensure good low-temperature pumpability even with highly soot-laden oil. The full-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and improved low-temperature properties compared with a conventional, non-synthetic formulation.

Triton ECT Full Synthetic meets or exceeds the performance requirements of API Service Categories CJ-4 and SN, and is approved under the latest OEM specifications for use in low-emission diesel engines. It is formulated for use in diesel engines operating on diesel fuels with sulfur content up to 500 ppm. However, for use with non-ULSD (Ultra-Low Sulfur Diesel) fuels with sulfur content greater than 15 ppm, consult the engine manufacturer for recommended service interval.

Applications

- On- and off-highway diesel equipment operating at low ambient temperatures
- On-highway diesel trucks equipped with EGR and exhaust aftertreatment devices to meet 2007/2010 emissions standards

**Premium
Full-Synthetic
API CJ-4 Diesel
Engine Oil For
Low-Emission
Engines**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

**Technical Hot Line:
1-877-445-9198**

**International
Customer Service:
+1-832-486-3363**

**E-mail address:
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- Older diesel equipment with conventional, non-EGR engines or ACERT engines
- Off-highway construction, earth moving and mining equipment
- Mixed fleets with diesel and gasoline-fueled vehicles

Triton ECT Full Synthetic meets or exceeds the requirements of:

- API Service CJ-4, CI-4 with CI-4 PLUS, CI-4, CH-4, SN
- Caterpillar ECF-3, ECF-2, ECF-1a
- Cummins CES 20081
- Detroit Diesel Power Guard 93K218, Power Guard 93K214
- Deutz DQC III-05
- Ford WSS-M2C171-E
- International (Navistar) diesel engines
- Mack EO-O Premium Plus
- Renault VI RLD-3
- Volvo VDS-4, VDS-3, VDS-2

Features/Benefits

- Excellent protection for newer low-emission diesel engines and older diesel engines
- Specially formulated to protect exhaust aftertreatment devices
- Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
- Outstanding resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against rust, bearing corrosion and wear
- Excellent low-temperature pumpability for easier starting and less wear during cold starts
- High shear stability
- Good resistance to foaming and aeration

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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Typical Properties

SAE Grade	5W-40
Specific Gravity @ 60°F	0.853
Density, lbs/gal @ 60°F	7.10
Color, ASTM D1500	4.0
Flash Point (COC), °C (°F)	240 (464)
Pour Point, °C (°F)	-48 (-54)
Viscosity, Kinematic	
cSt @ 40°C	95.0
cSt @ 100°C	15.4
Viscosity Index	168
Cold Cranking Viscosity, cP @ -30°C	6,500
High-Temp/High-Shear Viscosity, cP @ 150°C	4.2
Sulfated Ash, ASTM D874, wt %	1.0
Total Base Number (TBN), ASTM D2896	9.3
Zinc, wt %	0.132

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

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