

Customer Testimonial



Full Torque™ S Diesel Fuel Improver (2421)

D & R Enterprises – Fairbanks, AK
Modified 2007 Cat® C15 Acert™

- Improved startup
- Increased torque
- Eliminated rough idle
- Documented 8 percent savings in fuel economy

Customer Profile

D & R Enterprises is a trucking company in Fairbanks, Alaska, owned by Dave Hughes. As an independent owner operator, Dave is responsible for transporting critical and high demand drilling fluids, materials and supplies from Fairbanks to Prudhoe Bay. The largest oil field in the United States and in North America, Prudhoe Bay is operated by British Petroleum, ExxonMobil and ConocoPhillips.

Dave works 80 hours a week hauling 98,000- to 101,000-lb payloads to drilling companies. He makes multiple 1,000-mile trips each week in often treacherous and adverse weather conditions, often sharing the road with more than 150 other trucking companies running the same route.

Application

Dave's current truck is powered by a modified 2007 Cat® C15 Acert™ engine.

Challenge

- Severe cold weather (freezing conditions six months out of the year, with temperatures reaching as low as -60°F (-51°C))
- Rigorous and dangerous terrain including 12-14 percent road inclines and solid ice roads
- Strong head winds
- Heavy payloads
- Poor fuel economy
- Low-quality ultra low sulfur diesel (ULSD) fuel
- Cold start challenges
- Fuel gelling
- Pump and injector challenges
- Rough engine and idle chattering sound



LE Solution

LE's Clay Calk recommended that Dave try the new Full Torque™ S Diesel Fuel Improver (2421). Full Torque is a cetane-boosted, detergent-containing formulation that increases power, improves fuel economy, reduces emissions, and provides smoother performance year-round in diesel engines. It is available in winter (W) and summer (S) versions. (Due to fuel used in Alaska, the W version was not necessary.)



Full Torque's cetane booster increases a fuel's cetane number up to three numbers, resulting in faster ignition time, more power, easier starts and less smoke at startup. It is also loaded with special detergents that keep injector systems clean and working at maximum performance, and contains ingredients that protect against wear, water and corrosion. Full Torque has been formulated to work with today's biofuels, ULSD fuels, and renewable diesel fuels.



Results

Dave has been pleased with the Full Torque product. In his own words:

“The engine had rough idle before; with Full Torque, the engine runs smoother and no longer has rough idle. Engine startup is smoother as well. I have also noticed an increase in torque.”

“I have documented nearly 8.5 percent savings in fuel economy. I used to burn through 255 gallons of fuel a trip, and that has been reduced to 235 gallons.”

Thank you to Dave Hughes for providing the information used in this report.

Full Torque is a trademark of Lubrication Engineers, Inc. Cat® and Acert™ are trademarks of Caterpillar.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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