

Welcome to
**Lower
Visco
City.**



HOME OF GUARDOL® FE 10W-30



There's a place designed for modern trucks. A place with booming fuel economy—free from the worry of engine wear and corrosion. Where fleet managers enjoy significantly lower costs on fuel and maintenance. A place you'll find lower viscosity oil flowing smoothly through the veins of diesel engines. And while you might not actually find this place on a map—the savings and performance are real. Are you ready to move?

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**



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For years, fleets have explored ways to improve fuel economy—from aerodynamic advancements to low-rolling resistance tires to semi-automated transmissions. API FA-4 diesel engine oils are the latest innovation to enter the fuel efficiency toolbox. These oils are specifically designed to improve fuel economy in heavy-duty engines when compared to the 15W-40 oils that have dominated the market for more than 20 years.

Heavy-duty engine oil technology has advanced in tandem with emerging engine designs to protect this new generation of engines. Now, fleet managers can have the wear protection they demand while gaining the increased fuel efficiency they work so hard to achieve. Fuel efficiency and wear protection—no compromises necessary.

WHY MOVE?

As new trucks are now rolling off the line and onto the road with engines factory-filled with 10W-30 oils, fleets should be ready to move. With Guardol FE 10W-30, engines get a low viscosity oil that delivers incredible fuel efficiency without sacrificing an ounce of wear protection.

FUEL EFFICIENCY

Higher viscosity oils require heavy-duty diesel engines to spend more energy during their operation, which takes a toll on fuel efficiency. Guardol FE 10W-30 was specifically developed to improve fuel economy, while maintaining superior protection. Its lower viscosity and High Temperature/High Shear (HTHS) properties find the perfect balance of critical functions to lower fuel costs.

WEAR PROTECTION

As diesel engines have advanced, they've continued to run tighter and faster. Phillips 66 Lubricants continues to evolve. Guardol FE 10W-30 includes our Liquid Titanium® protection additive, which adds an extra layer of defense against the scorching, harsh engine environment. With more than 92 million miles of on-road testing, and no signs of scuffing after 200 hours in the DD13 Scuff Test, Guardol FE 10W-30 has more than proven its durability. In fact, you'll get the improved fuel economy you expect with an FA-4 with the exact same outstanding wear protection of our CK-4 10W-30 oil.

THE GUARDOL FE WARRANTY

How durable is Guardol FE 10W-30? So durable we're eliminating any risk when it comes to the decision to switch to lower viscosity oil. We've extended our industry-leading limited product warranty to include fleets that use Guardol FE 10W-30 in:

- All 2010 or newer Detroit Diesel (DTNA) engines
- All 2014 or newer Cummins, PACCAR, International/Navistar and Volvo/Mack engines

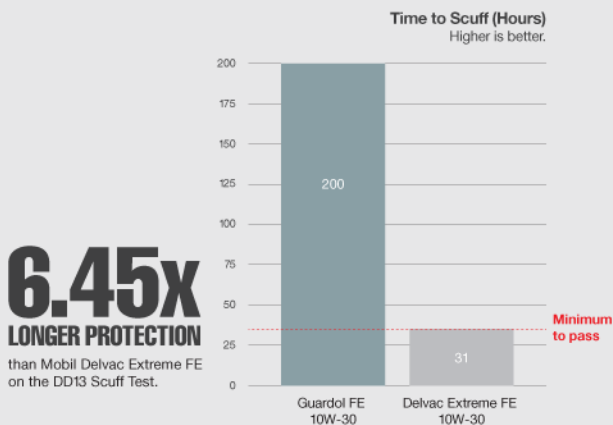
To learn how to move your fleet to Guardol FE 10W-30, visit LowerViscoCity.com.



WEAR PROTECTION TEST: GUARDOL® FE BEATS MOBIL DELVAC™ EXTREME FE

In the industry-standard DD13 Scuff Test, Guardol FE 10W-30 performed 6.45 times better than the test minimum and Mobil Delvac Extreme FE 10W-30. That's due in part to the fact that Guardol FE 10W-30 includes our Liquid Titanium® protection additive. It bonds to the surface of critical engine parts and delivers outstanding wear protection to extend the life of engine components. Guardol FE 10W-30 preserves engine compression, power and efficiency to preserve peace of mind when it comes to the performance expectations of a fleet.

DD13 SCUFF TEST RESULTS



At 200 hours, Guardol FE 10W-30 showed no scuffing.

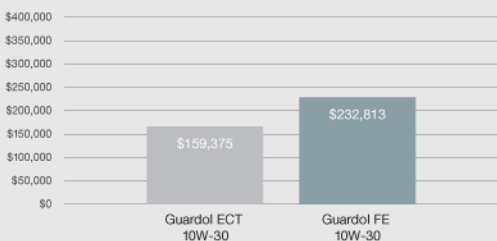
The DD13 Scuff Test (ASTM 8074) was run at an independent lab using blind samples. This is a fired-engine test with all emissions controls, which runs for 200 hours or until scuffing is detected, whichever comes first.

REAL-WORLD FUEL SAVINGS:

CLASS 7-8

Heavy loads and long hauls. Over-the-road (OTR) trucks battle both. Guardol FE 10W-30 protects the engines of these Class 7-8 trucks from wear, while also saving up to 1.5% on fuel costs.

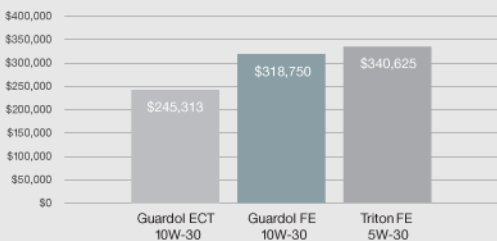
ANNUAL FUEL SAVINGS*



CLASS 6

With stop-and-go city traffic and a wide range of weather conditions, medium-duty fleets face different challenges than OTR fleets. In medium-duty vehicles, Guardol FE 10W-30 provided an average of 2% savings across multiple driving cycles compared to the base line 15W-40 oil. And when Phillips 66 Triton® FE 5W-30 was used, the fuel savings jumped to 3%.

ANNUAL FUEL SAVINGS*



*Projected annual savings (which account for differences in cost of oil) versus 15W-40 for a fleet of 500 vehicles averaging 100,000 miles per year with average diesel cost of \$2.75 per gallon and 45,000-mile oil drain intervals.

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