

AMSOIL SYNTHETIC LUBRICANTS INCREASE FUEL ECONOMY 6.54 PERCENT IN DIESEL TRUCKING APPLICATIONS¹

CONVENTIONAL LUBRICANTS

120,000 annual miles
@ 6 mpg

20,000 gallons required
x \$3.75 /gal.

\$75,000 annual fuel cost

AMSOIL SYNTHETIC LUBRICANTS

120,000 annual miles
@ 6.39 mpg

18,779 gallons required
x \$3.75 /gal.

\$70,421 annual fuel cost



Annual savings on fuel per truck²

ONE TRUCK



\$4,579

10 TRUCKS



\$45,790

50 TRUCKS



\$228,950



6.54%
Increase in Fuel Economy



¹ According to SAE J1321 In-Service Fuel Economy Test Procedure
² Examples only. Prices subject to change.

Industry-Standard Testing

To determine the fuel economy benefits of its synthetic lubricants, AMSOIL INC. conducted the industry-standard SAE J1321 In-Service Fuel Economy Test Procedure. First, the baseline rate of fuel consumption was determined for two nearly identical Kenworth® T800B diesel trucks and 53' trailers from Ford® Motor Company's* Rawsonville, Mich. fleet. Texaco®-brand conventional lubricants were installed in each vehicle's engine, transmission, and front and rear differentials. Both trucks simultaneously completed runs on a 40-mile test route representative of real-world driving conditions beginning and ending at Ford's Rawsonville fleet maintenance facility. Fuel consumption was recorded from each vehicle's engine control module (ECM) following each run. Although both vehicles were operated using the same conventional lubricants and according to the same procedures, the test truck consumed an average of 0.37 more gallons of fuel per run compared to the control truck.

BASELINE SEGMENT




Average 5.53 gallons
used per run




Average 5.9 gallons
used per run

The test truck alone was then thoroughly flushed of its conventional lubricants prior to installing AMSOIL synthetic lubricants. Both trucks simultaneously completed runs on the test route according to the same procedures used during the baseline segment. Fuel consumption data was again recorded from the ECMs. The switch to AMSOIL synthetic lubricants eliminated the 0.37-gallon difference in fuel consumption per baseline segment run, resulting in 6.54 percent improved fuel economy.

TEST SEGMENT




Average 5.73 gallons
used per run




Average 5.73 gallons
used per run

* The participation of Ford's fleet does not reflect an endorsement of AMSOIL INC. or AMSOIL products.

CONVENTIONAL LUBRICANTS USED

Engine:
Texaco URSA Super Plus 15W-40
Transmission:
Texaco Multigear EP 80W-90
Front and Rear Differentials:
Texaco Multigear EP 80W-90

AMSOIL SYNTHETIC LUBRICANTS USED

Engine:
Premium API CJ-4 5W-40
Synthetic Diesel Oil
Transmission:
SAE 50 Long-Life Synthetic
Transmission Oil
Front and Rear Differentials:
75W-90 Long-Life Synthetic
Gear Lube



Complete details of this study are available in the Diesel Fleet Fuel Economy Study Brochure (G2904) available from your AMSOIL Dealer.



AMSOIL products and Dealership information are available from your local AMSOIL Dealer.