

## How Does AMSOIL Save Truck Drivers Money?

### Maximum Miles Per Gallon

AMSOIL synthetic drivetrain fluids' low coefficient of friction reduces friction-related energy loss, which increases fuel economy. In fact, the SAE J1321 In-Service Fuel Economy Test Procedure confirms a 6.5 percent increase in fuel economy when using Premium 5W-40 Synthetic Diesel Oil, SAE 50 Long-Life Synthetic Transmission Oil and 75W-90 Long Life Synthetic Gear Lube in place of conventional fluids. The result directly reduces fuel costs.

Conventional Lubricants	AMSOIL Synthetic Lubricants
120,000 annual miles @ 6 MPG	120,000 annual miles @ 6.39 MPG
20,000 gallons required x \$3.61 /gal.	18,779 gallons required x \$3.61 /gal.
\$72,200 annual fuel cost	\$67,792 annual fuel cost

**+6.5% Increase in Fuel Economy**

### Reduced Oil Costs

AMSOIL synthetic diesel oils maximize engine protection by neutralizing acids, resisting heat and controlling soot longer than conventional oils. Their premium synthetic chemistries allow owners and operators to safely extend drain intervals up to three times OEM recommendations, reducing downtime and cutting oil costs.

Conventional Diesel Oil	AMSOIL Synthetic Premium Diesel Oil
\$17.09	\$28.95
x 10 gallons	x 10 gallons
x 8 annual oil changes	x 3 annual oil changes
\$1,367 oil cost /year	\$869 oil cost /year

Based on 120,000 annual miles and 15,000-mile oil change intervals.

**\$4,408 ANNUAL SAVINGS ON FUEL PER TRUCK\***

**\$498 ANNUAL OIL CHANGE SAVINGS PER TRUCK\***

When combining fuel savings and oil change savings, AMSOIL provides a significant overall annual cost reduction.

ONE TRUCK	10 TRUCKS	50 TRUCKS	100 TRUCKS
\$4,906 ANNUAL SAVINGS	\$49,060 ANNUAL SAVINGS	\$245,300 ANNUAL SAVINGS	\$490,600 ANNUAL SAVINGS

Calculations do not include filter, labor or used oil disposal costs. Fewer hours spent changing oil and less used oil disposal make AMSOIL even more cost-effective.

\* Examples only. Based on December 2014 figures and average U.S. on-highway diesel fuel price. Prices subject to change.

## AMSOIL Diesel Fuel Additives & Engine Coolant



### AMSOIL Diesel Cetane Boost

Improves combustion efficiency to increase power in diesel engines. Raises cetane up to seven numbers.

### AMSOIL Diesel Cold Flow

Modifies wax crystal formation at low temperatures, helping control ice formation and prevent gelling.

### AMSOIL Diesel Injector Clean

Targets traditional nozzle deposits and internal diesel injector deposits found in HPCR injectors. Lubricates to reduce fuel pump and injector wear. Concentrated for rapid results, maximum horsepower and up to 4.5 percent increased fuel economy.

### AMSOIL Diesel Injector Clean + Cold Flow

Reduces cold filter-plugging point while also reducing injector deposits and wear in one convenient package.

### AMSOIL Diesel Recovery

Quickly liquefies gelled diesel fuel, thaws frozen fuel filters and reduces the need for a new filter.

### AMSOIL Antifreeze & Engine Coolant

Surpasses standards for metallic corrosion and provides superior cooling and protection for 750,000 miles/seven years in OTR diesel trucks.



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Contact your local full-service AMSOIL Dealer for more information on AMSOIL products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # 1393814

## Over-the-Road Trucks



**SYNTHETIC MOTOR OILS**

**FUEL ADDITIVES**

**DRIVETRAIN FLUIDS**



AMSOIL premium products help decrease downtime and increase profits through decreased oil consumption, better wear protection, extended drain intervals and increased fuel economy.



## AMSOIL Synthetic Diesel Oils

Changing regulations, fuel costs and rising equipment costs are just a few of the challenges to running a trucking business. Your truck is your livelihood and it has to last, so it's imperative that you take care of it. Keeping your truck on the road requires increased protection over a greater number of miles. AMSOIL introduced the world's first synthetic diesel oil and has continued helping trucking companies reduce costs with lubricants and fuel additives that exceed standards and provide the confidence of genuine performance and protection.

### Reduced Oil Consumption

As engine temperatures climb during severe-service hauling or when summer temperatures soar, low-quality conventional oils can boil off, creating harmful deposits and the need to frequently top-off the oil, which can be costly. AMSOIL synthetic diesel oils feature thermally stable formulations that naturally resist oil consumption, helping reduce top-offs and save money.

### Superior Wear Protection

AMSOIL synthetic diesel oils are formulated with exceptional friction and wear reduction properties. They resist viscosity loss due to shear for exceptional wear protection, helping owner/operators maximize equipment life and reduce maintenance costs and downtime.

### Maximum Fuel Economy

AMSOIL synthetic diesel oils' advanced lubricity (slipperiness) results not only in enhanced performance and protection, but increased fuel efficiency as well. With less resistance to internal moving parts, engines are able to operate at peak efficiency and deliver maximum mpg.

### Extended Drain Intervals

AMSOIL coined the phrase "extended drain interval" nearly 40 years ago. Advanced chemistries allow extended-drain AMSOIL synthetic diesel oils to remain effective up to three times longer than original equipment manufacturer (OEM) recommendations. Truckers benefit significantly through reduced oil costs and increased convenience due to fewer oil changes and less used oil disposal.

**AMSOIL Premium Synthetic Diesel Motor Oil** is the premium choice for model-year 2007 and newer diesel engines requiring API CJ-4 oils. Available in 5W-40 and 15W-40.

**AMSOIL 15W-40 Synthetic Diesel and Marine Oil** is engineered with a high 12 total base number to provide exceptional performance and protection throughout extended drain intervals.

**AMSOIL Series 3000 5W-30 Synthetic Heavy Duty Diesel Oil** is engineered for all on- and off-road diesel applications not equipped with diesel particulate filters (DPFs).

**AMSOIL OE Synthetic Diesel Oil** provides excellent performance and protection for the duration of OEM-recommended drain intervals. API CJ-4 certified. Available in 10W-30 and 15W-40.

## AMSOIL Heavy-Duty Filtration

Premium filtration saves truckers money through better protection and extended service life.

### Maximum Protection & Service Life

Ea® Heavy-Duty Extended-Life Oil Filters feature full-synthetic media with an average filtering efficiency of 98.7 percent at 20 microns. They trap a larger percentage of small, wear-causing particles than less-efficient cellulose filters for maximum engine protection. They provide extended service intervals that coincide with the maximum drain intervals of AMSOIL synthetic motor oils and cost less than competitive extended-service oil filters.

### By-Pass Filtration

AMSOIL By-Pass Oil Filters help reduce engine wear by providing a filtering efficiency of 98.7 percent at two microns, nearly eliminating wear-causing particles. Paired with oil analysis, AMSOIL by-pass filtration systems can extend drain intervals, increasing convenience and reducing costs.

AMSOIL also carries Donaldson® air and oil filters to complement the AMSOIL Ea filter line.

## AMSOIL Drivetrain Fluids

Premium synthetic drivetrain lubricants reduce wear, extend service life and maximize fuel economy.

### Synthetic Transmission Fluids

AMSOIL synthetic transmission fluids reduce gear and bearing wear and can increase equipment life. By resisting oxidation, varnish formation and sludge build-up, they provide superior cooling and lubrication. Their synthetic chemistries maximize fuel efficiency and provide up to 500,000-mile drain intervals in OTR trucks with manual transmissions.

### Synthetic Gear Lubes

AMSOIL synthetic gear lubes are formulated to protect heavily loaded gears better than conventional lubes. They reduce friction and drag to promote increased fuel efficiency. AMSOIL Long Life Synthetic Gear Lube provides drain intervals of up to 500,000 miles in OTR trucks.

### Synthetic Greases

AMSOIL synthetic greases provide outstanding all-weather protection and improved wash-out resistance compared to conventional greases. They seal out contaminants and provide superior lubrication throughout extended service intervals.



## How does the AMSOIL OTR Trucking Package Perform?

### Increased Fuel Economy

The SAE J1321 In-Service Fuel Economy Test Procedure proves that the AMSOIL over-the-road trucking package increases fuel economy in diesel trucking applications. Premium 5W-40 Synthetic Diesel Oil, SAE 50 Long-Life Synthetic Transmission Oil and 75W-90 Long Life Synthetic Gear Lube were installed in a Kenworth® T800B truck pulling a 53' trailer. Several test runs completed simultaneously with a nearly identical truck and trailer using conventional fluids indicate the vehicle using AMSOIL realized a **6.54 percent increase in fuel economy.**

See the **Diesel Fleet Fuel Economy Study (G2904)** online at [www.amsoil.com/performance-tests.aspx](http://www.amsoil.com/performance-tests.aspx) for complete details.



### Exceptional Wear Protection

Modern manual transmissions and differentials installed in OTR trucks require advanced lubricants that protect heavily loaded components throughout extended 500,000-mile drain intervals. Inferior lubricants can break down before the drain interval is up, leading to wear and the formation of harmful deposits.

To prove their effectiveness, AMSOIL installed SAE 50 Long-Life Synthetic Transmission Oil and 75W-90 Long

Life Synthetic Gear Lube in OTR trucks used in real-world, heavy-duty service. After 512,000 miles, the transmission and differentials from a randomly selected truck were disassembled and rated for wear, pitting, scoring and other distress by an ASTM calibrated rater. Results prove both lubricants provided exceptional protection.



Following 512,000 miles, the transmission's output shaft bearing demonstrated no pitting or scoring despite frequent high-load operation. It earned a high wear rating of 8 out of 10, indicating only trace-light wear.



The transmission's mainshaft input drive gear demonstrated no pitting or scoring despite 512,000 miles of rigorous use. The gear earned a high wear rating of 8 out of 10, indicating only trace-light wear.



The front differential ring gear encounters extreme pressure and sliding contact, inviting accelerated wear. AMSOIL 75W-90 Long Life Synthetic Gear Lube completely prevented pitting and scoring. The gear earned a nearly perfect wear rating of 9 out of 10, indicating only trace levels.

See the **SAE 50 Long-Life Synthetic Transmission Oil Field Study in Over-the-Road Applications (G2961)** online at [www.amsoil.com/performance-tests.aspx](http://www.amsoil.com/performance-tests.aspx) for complete transmission disassembly results.

See the **75W-90 Long Life Synthetic Gear Lube Study in Over-the-Road Applications (G2975)** online at [www.amsoil.com/performance-tests.aspx](http://www.amsoil.com/performance-tests.aspx) for complete differential disassembly results.

