

# How Does **AMSOIL** Save Fleets Money?

## Maximum Miles Per Gallon

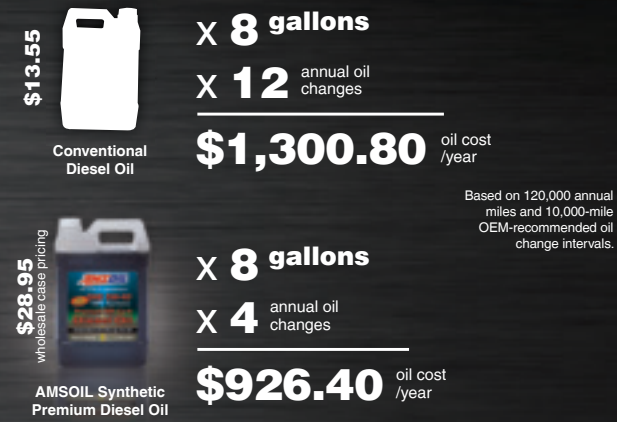
AMSOIL synthetic diesel oils' low coefficient of friction reduces friction-related energy loss, which increases fuel economy. In fact, the EPA's Federal Test Procedure confirms a 1.6 percent increase in fuel economy at a mix of 55 percent city/45 percent highway driving when using AMSOIL Premium API CJ-4 5W-40 Synthetic Diesel Oil in place of conventional 15W-40 diesel oils. The result directly reduces fuel costs.



**\$1,181 ANNUAL SAVINGS ON FUEL PER TRUCK\***

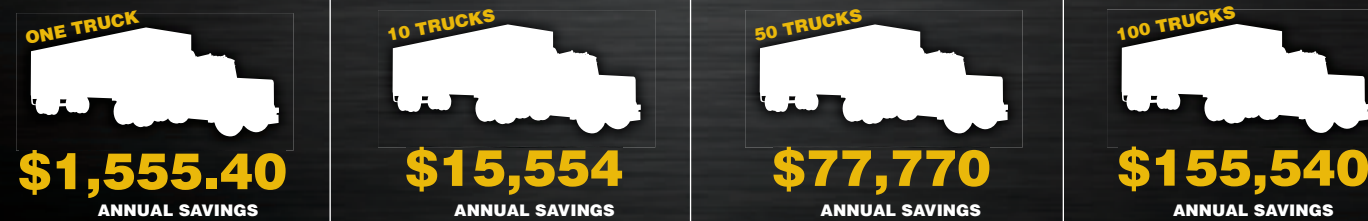
## Reduced Oil Costs

AMSOIL synthetic diesel oils neutralize acids, resist heat and control 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.



**\$374.40 ANNUAL OIL CHANGE SAVINGS PER TRUCK\***

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



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

\* Examples only. Based on July 1, 2011 figures. Prices subject to change.

# AMSOIL Diesel Fuel Additives & Engine Coolant



## AMSOIL Cetane Boost

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

## AMSOIL Cold Flow Improver

Helps prevent icing or gelling in fuel.

## AMSOIL Diesel Concentrate

Cleans fuel system components, increasing fuel economy by up to 5 percent.

## AMSOIL Diesel Concentrate Plus Cold Flow Improver

Reduces cold filter-plugging point as much as 34°F while also maximizing fuel economy.

## 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.



Contact your 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 # \_\_\_\_\_

# Over-the-Road Trucks



**SYNTHETIC MOTOR OILS**

**DRIVETRAIN FLUIDS**

**FUEL ADDITIVES**



AMSOIL® premium synthetic lubricants, fuel additives and filters help decrease downtime and increase profits through better protection, extended drain intervals and increased fuel economy.

## AMSOIL Synthetic Diesel Oils

AMSOIL introduced the world's first synthetic motor oil for diesel engines in 1975 and dramatically redefined the performance and protection available to diesel owners. Today, AMSOIL is the recognized leader in synthetic lubricant technology and offers a variety of exclusive synthetic diesel oil formulations, each tailored to meet the unique demands of hard-working diesel engines. Motorists worldwide choose AMSOIL synthetic diesel oils for the extraordinary benefits they provide.

### Protection and Performance

AMSOIL synthetic diesel oils reduce friction and wear better than conventional oils, helping hard-working diesel engines perform better and last longer. They withstand high-temperature breakdown to help prevent harmful deposits from forming, yet remain fluid in sub-zero temperatures for easier cold starts and nearly immediate circulation and protection.

### 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. Motorists benefit significantly through reduced oil costs and increased convenience through fewer oil changes and less used oil disposal.

**AMSOIL Premium API CJ-4 Synthetic Diesel 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 10W-30/SAE 30 Synthetic Heavy Duty Diesel Oil** exceeds both 10W-30 and SAE 30 viscosity requirements.

**AMSOIL OE 15W-40 Synthetic Diesel Oil** provides excellent performance and protection for the entire duration of OEM-recommended drain intervals. Meets API CJ-4 requirements.

## AMSOIL Heavy-Duty Filtration

Premium air, oil and by-pass filtration save truckers money through better protection and extended service life.

### Engine Protection

AMSOIL offers Donaldson® Endurance™ filters, which trap a higher percentage of smaller wear particles than competitive filters to provide increased engine protection. High-efficiency air and oil filtration combined with ultra-fine by-pass filtration and oil analysis can substantially increase equipment life and reduce maintenance costs.

### Extended Service Life

When used with AMSOIL synthetic diesel oils, Endurance oil filters are guaranteed effective for up to 60,000 miles, while Endurance air filters last twice as long as conventional cellulose filters. The addition of an AMSOIL by-pass filtration system and an oil analysis program can extend drain intervals. AMSOIL heavy-duty filtration products provide maximum convenience and cost savings.

## 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 increase equipment life compared to conventional fluids. By resisting oxidation, varnish formation and sludge build-up, they provide superior cooling and lubrication. Their synthetic chemistries maximize fuel efficiency and provide extended drain intervals.

### Synthetic Gear Lubes

AMSOIL synthetic gear lubes protect heavily loaded tractor and trailer 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

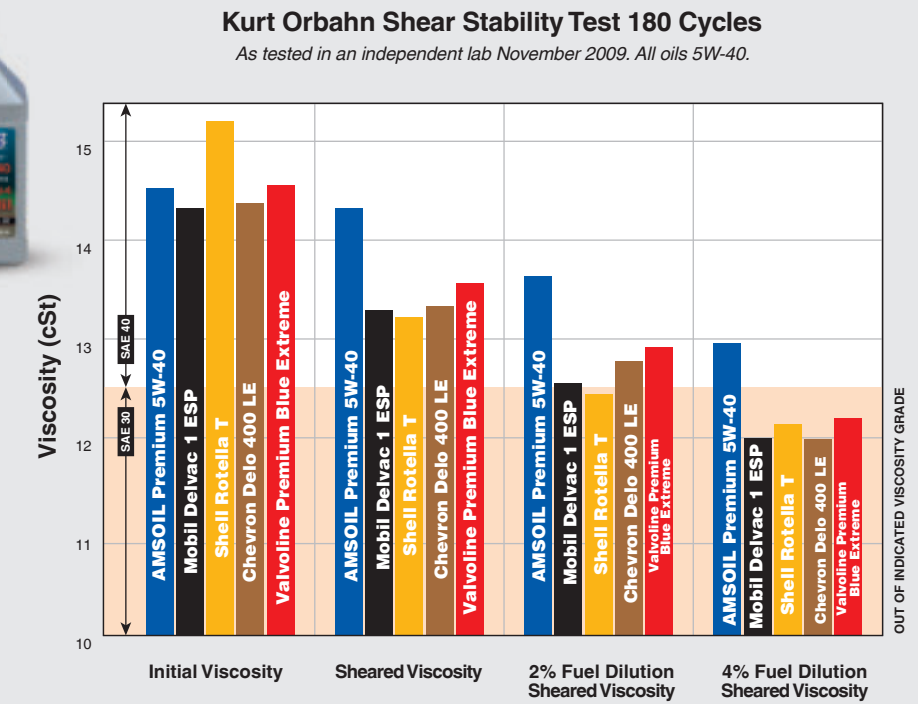
AMSOIL synthetic greases resist pound-out and wash-out better than conventional greases. They seal out contaminants and provide superior lubrication throughout extended service intervals.

## How does AMSOIL Compare to Other Brands?

### Maximum Shear Stability

The severe environments found inside diesel engines can tear apart, or shear, the molecular structure of oil, leading to viscosity loss. Making matters worse, moderate levels of fuel dilution common in some applications impair an oil's ability to resist shear. Four percent fuel dilution is often enough to reduce an oil's sheared viscosity to less than its specified viscosity grade, leading to metal-to-metal contact and accelerated equipment wear.

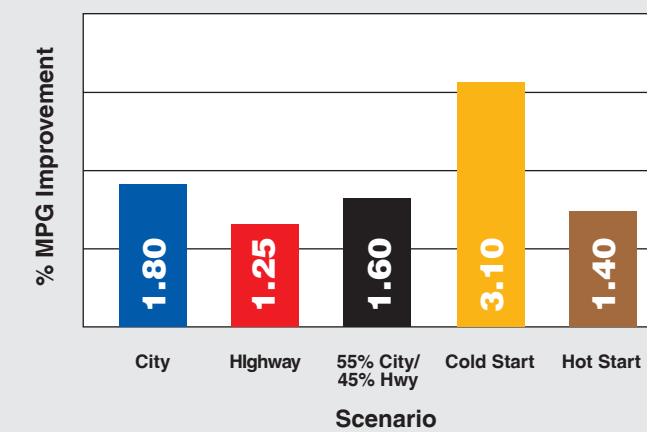
AMSOIL doubled the standard Kurt Orbahn 90-cycle test (ASTM D-6278) used to test shear stability and had the oils tested for 180 cycles. Samples were then contaminated with 2 and 4 percent ultra-low-sulfur diesel fuel (ULSD). Even at 4 percent fuel dilution, AMSOIL Premium API CJ-4 Synthetic Diesel Oil stayed in grade to maintain engine protection while the other oils failed.



### Increased Fuel Economy

The Environmental Protection Agency's (EPA) Federal Test Procedure (FTP) confirms that, when compared to conventional 15W-40 diesel oil, AMSOIL Premium API CJ-4 5W-40 Synthetic Diesel Oil improves fuel economy through virtually all driving scenarios. Operators save on fuel costs and reap the benefits of increased engine protection.

### AMSOIL SAE 5W-40 Fuel Economy Results – FTP Cycle



### Cold-Weather Superiority

When diesel fuel surpasses its cold filter-plugging point (CFPP), the wax crystals that form clog the fuel filter and starve the engine of fuel, preventing it from starting. AMSOIL Diesel Recovery lowers the CFPP of diesel fuel better than the competing brand. It quickly and effectively dissolves the wax crystals that have formed in untreated fuel to get trucks moving again, making it a necessity for operators in cold climates.

### Cold Filter-Plugging Point (CFPP)

