

## How Does AMSOIL Save Diesel Owners 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 Environmental Protection Agency's (EPA) Federal Test Procedure (FTP) confirms a 1.6 percent increase in fuel economy at a mix of 55/45 city/highway driving when using AMSOIL Premium 5W-40 Synthetic Diesel Oil in place of conventional 15W-40 diesel oils. Many AMSOIL users report even greater improvements. The result directly reduces fuel costs.

Conventional Diesel Oil	AMSOIL Premium Synthetic Diesel Oil
15,000 annual miles @ 14 MPG	15,000 annual miles @ 14.224 MPG
1,071 gallons required x \$3.85 /gal.	1,054 gallons required x \$3.85 /gal.
\$4,123.35 annual fuel cost	\$4,057.90 annual fuel cost
	<b>+1.6% Increase in Fuel Economy</b>

**\$65.45 ANNUAL SAVINGS ON FUEL PER VEHICLE\*\***

**\$108.72 ANNUAL OIL CHANGE SAVINGS PER VEHICLE\*\***

When combining fuel savings and extended-drain savings, AMSOIL provides diesel owners a significant overall annual cost reduction.

**\$174.17 ANNUAL SAVINGS PER VEHICLE\*\***

\*AMSOIL has documented high fuel dilution in 2007-present light-duty diesel pickups (Dodge, Ford, and GM/GMC LMM) equipped with diesel particulate filters. In these specific applications, AMSOIL recommends following the manufacturer-recommended drain interval. Oil drain intervals can be extended further with oil analysis.

\*\* Examples only. Based on December 2013 figures and average U.S. on-highway diesel fuel price. Prices subject to change.

### Extended Drain Intervals\*

AMSOIL synthetic diesel oils neutralize acids, resist heat and control soot longer than conventional oils. Their premium synthetic chemistries allow motorists to safely extend drain intervals up to three times longer than OEM recommendations, saving money and time. Extended-drain savings can mount further when by-pass filtration and oil analysis are used.

\$4.79 Conventional Diesel Oil	x 12 quarts	x 4 annual oil changes	\$229.92 oil cost /year
\$10.10 AMSOIL Premium Synthetic Diesel Oil	x 12 quarts	x 1 annual oil change	\$121.20 oil cost /year

Based on 20,000 annual miles and 5,000-mile oil change intervals.

## AMSOIL Diesel Fuel Additives & Engine Coolant



### AMSOIL Diesel Cetane Boost

Improves combustion efficiency to maximize 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 maximizing fuel economy in one convenient package.

### AMSOIL Diesel Recovery

Quickly liquefies gelled diesel fuel and thaws frozen fuel filters.

### AMSOIL Antifreeze & Engine Coolant

Surpasses standards for metallic corrosion and provides superior cooling and protection for 250,000 miles/seven years in autos/light trucks.



Jeff Fisher  
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www.SyntheticOils.us

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

## Diesel Power



**SYNTHETIC DIESEL OILS**

**DRIVETRAIN FLUIDS**

**FUEL ADDITIVES**



Advanced synthetic technology to protect today's most demanding diesels.



## AMSOIL Synthetic Diesel Oils

Diesels are synonymous with power. They tow our toys, haul our tools and get our blood pumping. But all that power challenges lubricants and threatens to sideline your high-performance diesel. AMSOIL meets the challenge with performance products designed to help you maximize your diesel's potential and protect its hard-working components – and your wallet – for long equipment life.

### 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 while remaining fluid in sub-zero temperatures for easier cold starts and fast circulation.

### Maximum Fuel Economy

The advanced lubricity of AMSOIL synthetic diesel oils 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" more than 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. Diesel owners benefit significantly through reduced oil costs and increased convenience due to fewer oil changes and less used oil disposal.



**AMSOIL Premium Synthetic Diesel Oil**  
✓ The premium choice for model-year 2007 and newer diesel engines requiring API CJ-4 oils  
✓ Compatible with all exhaust treatment devices  
✓ Available in 5W-40 and 15W-40.



**AMSOIL 15W-40 Synthetic Heavy Duty Diesel and Marine Motor Oil**  
✓ Formulated with a high 12 Total Base Number to provide extended drain intervals  
✓ 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 Series 3000 5W-30 Synthetic Heavy Duty Diesel Oil**  
✓ Advanced fuel-efficient formula  
✓ Delivers increased wear protection to help improve engine life



**AMSOIL 10W-30/SAE 30 Synthetic Diesel Oil**  
✓ Exceeds both 10W-30 and SAE 30 viscosity requirements  
✓ Excellent for both heavy equipment and personal vehicles



## AMSOIL Oil Filtration

Ea<sup>®</sup> synthetic technology reduces engine wear by providing ultra-high filtering efficiency for diesel pickups.

### Engine Protection

Filters that trap a higher percentage of smaller wear particles provide increased engine protection. AMSOIL Ea Oil Filters trap and hold 98.7 percent of particles 20 microns and larger, while competitive filters demonstrate efficiencies as low as 51 percent.

AMSOIL by-pass filtration systems employ a secondary by-pass filter rated 98.7 percent efficient at two microns, nearly eliminating wear-causing particles.

### Extended Service

Used with AMSOIL synthetic motor oils, Ea Oil Filters have a maximum recommended service life of either 15,000 miles or 25,000 miles, depending on the application. AMSOIL extended-service filters save motorists time and money.



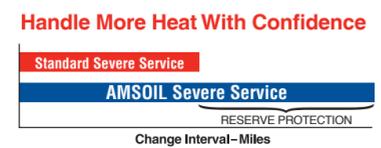
## AMSOIL Drivetrain Fluids

Proper lubrication is essential to protect hard-working diesel drivetrains, yet differential and transmission maintenance is often overlooked. AMSOIL premium drivetrain lubricants are formulated for long service life. Their advanced synthetic technology protects critical drivetrain components while providing maximum power throughput and fuel economy. AMSOIL synthetic drivetrain lubricants help your powerful diesel perform to its potential.



### Synthetic Transmission Fluids

AMSOIL Signature Series Synthetic ATF provides reserve protection against the heat generated by high-horsepower/high-torque diesels. It maintains viscosity for reduced gear and bearing wear and increased equipment life. Signature Series ATF resists oxidation, varnish formation and sludge build-up to provide superior cooling and lubrication for twice the original equipment manufacturer's recommendation for severe service.



### Handle More Heat With Confidence

Standard Severe Service  
AMSOIL Severe Service  
RESERVE PROTECTION  
Change Interval - Miles

### Synthetic Gear Lubes

AMSOIL synthetic gear lubes protect heavily loaded differentials better than conventional lubes. Extreme-pressure formulations guard against metal-to-metal contact for maximum wear control. Their synthetic chemistries reduce friction and drag for increased fuel efficiency while providing extended drain intervals.

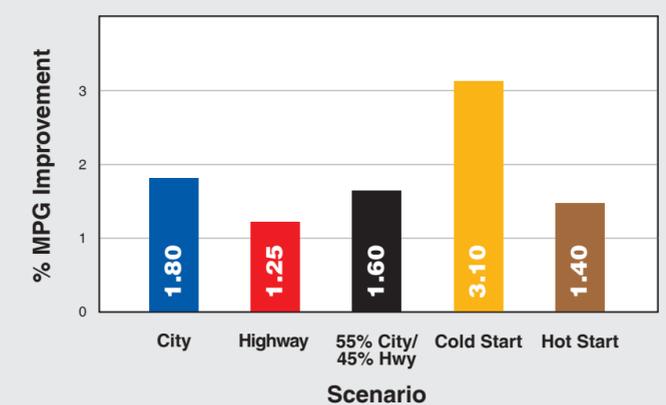
### Synthetic Greases

AMSOIL synthetic greases are designed to resist friction and wear better than conventional greases. They seal out contaminants and provide superior lubrication in severe-service applications.



## How does AMSOIL Compare to Other Brands?

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



### 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 5W-40 Synthetic Diesel Oil improves fuel economy throughout virtually all driving scenarios. Drivers save on fuel costs and enjoy the benefits of increased engine protection.



### Restored Horsepower and Performance

A new type of injector deposit is surfacing in modern diesel engines that some additives aren't formulated to address. To supply fuel to today's more powerful diesels while meeting tightening emissions standards, some manufacturers are using high-pressure common-rail (HPCR) engine designs. Fuel injectors in HPCR diesel engines use smaller, highly engineered components to produce the higher fuel pressures needed for improved combustion. The tighter clearances invite internal diesel injector deposits that interfere with injector-needle actuation, reducing performance. External deposits can also form on the injector nozzle (the typical trouble spot for traditional injectors). While other fuel additives have yet to catch up to the internal diesel injector deposit problem, AMSOIL Diesel Injector Clean and Diesel Injector Clean + Cold Flow target deposits wherever they form, maximizing power, fuel economy and performance in HPCR and traditional diesel engines.



Traditional Fuel Injector Pintal



High-Pressure Common-Rail (HPCR) Fuel Injector Pintal

