

**AMSOIL**<sup>®</sup>

*The First in Synthetics*<sup>®</sup>



# Diesel **Power**



*Products for maximum performance & protection*

**CAR • PICKUP • SPORT UTILITY VEHICLE**

# MotorOil

You can't buy better protection for your hard-working diesel truck than AMSOIL synthetic motor oil. Whether you want the fuel economy benefits and ultra-cold temperature protection of a diesel-formulated 5W-30 or the tried-and-true protection of a 15W-40, you just can't beat AMSOIL synthetic motor oils.

## AMSOIL Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil

In a head-to-head comparison, Series 3000 provided better wear protection than Delvac 1, Delo 400, Rotella T, Delvac 1300 Super and Premium Blue (see chart). Independent laboratory testing shows up to 43 percent less wear with Series 3000 than with the other oils tested.



Series 3000 also offers 12 TBN protection for serious long-term acid control and a stay-in-grade formulation to protect moving parts from high-temperature contact and wear throughout the oil's service life.

Series 3000 is formulated for significant fuel savings, boosting fuel economy far beyond what it would be with a conventional 15W-40 oil.

For easy cold temperature starting and dependable cold temperature protection, Series 3000 can't be beat. It's ideal for northern tier diesel owners.

Series 3000 is formulated for gasoline engines, too, making it the ideal motor oil for multi-vehicle households or fleets.

### The Smaller the Wear Scar, the Better the Protection

(40 kg pressure @ 150°C, 1800 rpm for 1-hour duration)

Oil	Wear Scar Diameter (mm)
AMSOIL HDD 5W-30	0.396
Mobil Delvac 1300 Super 15W-40	0.619
Chevron Delo 400 15W-40	0.620
Valvoline Premium Blue 15W-40	0.625
Shell Rotella T 15W-40	0.636
Mobil Delvac 1 Synthetic 5W-40	0.646

As tested by an independent lab

WEAR SCAR DIAMETER, mm  
Four-Ball Wear Test (ASTM D4172)

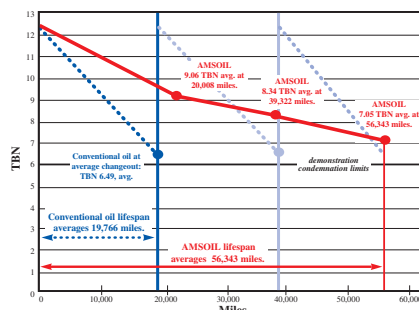


## AMSOIL 15W-40 oils

AMSOIL Synthetic Heavy-Duty Diesel and Marine 15W-40 Motor Oil and AMSOIL Synthetic Blend 15W-40 Motor Oil have been put to the test over millions of miles in heavy-duty trucks.

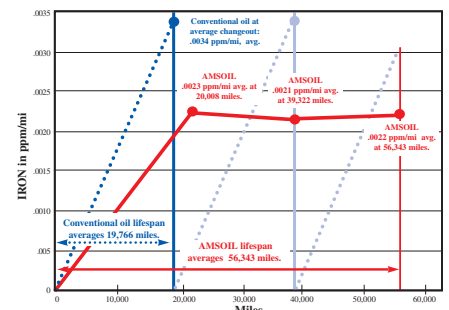
They are proven to provide unsurpassed engine protection, even when they are used much longer than conventional diesel oils are used.

Look at the graphs below. AMSOIL maintained its protective TBN and viscosity while the petroleum control rapidly lost both. More to the point, AMSOIL kept engine wear rates low. And isn't that what motor oil is all about?



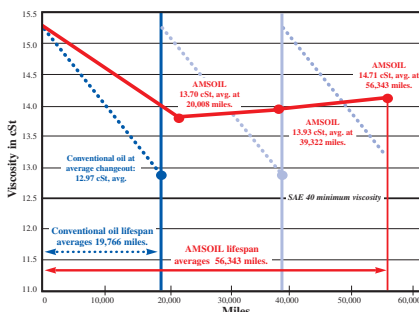
### AMSOIL: steady acid control

Class 8 Kenworth T600 tractors with Series 60 Detroit Diesel engines. Conventional oil changes: 20,000 miles. Oil changes extended to 56,343 mile (average) with AMSOIL.



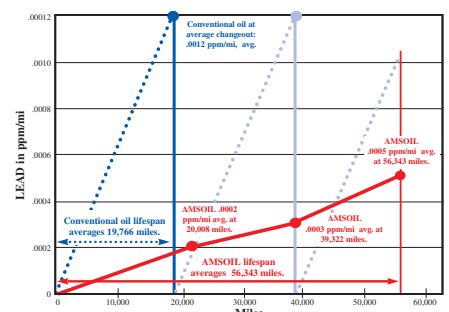
### AMSOIL: minimal cylinder, crankshaft wear

Class 8 Kenworth T600 tractors with Series 60 Detroit Diesel engines. Conventional oil changes: 20,000 miles. Oil changes extended to 56,343 mile (average) with AMSOIL.



### AMSOIL: steady viscosity

Class 8 Kenworth T600 tractors with Series 60 Detroit Diesel engines. Conventional oil changes: 20,000 miles. Oil changes extended to 56,343 mile (average) with AMSOIL.



### AMSOIL: minimal bearing wear

Class 8 Kenworth T600 tractors with Series 60 Detroit Diesel engines. Conventional oil changes: 20,000 miles. Oil changes extended to 56,343 mile (average) with AMSOIL.

# Transmission Fluid & Gear Lubes

**AMSOIL Synthetic Automatic Transmission Fluid and Gear Lubes** deliver maximum power and fully protect hard-working drivetrains. Synthetics, of course, deliver *maximum* power because their molecular structure best reduces friction, a big power-eater. And they *protect* best, even in temperatures that gel or fry conventional lubes. That's critical, given the incredible drivetrain heat generated by heavy-load operations and the temperature extremes in which diesels often work.

In fact, AMSOIL Transmission Fluid and gear lubes provide easy, dependable cold-temperature shiftability in a *fraction* of the time required by conventional fluids. They actually knock high lube temperatures down to optimal – and *outlast* ordinary transmission fluids and lubes.



# Synthetic Automotive Greases

**AMSOIL synthetic automotive greases** are extreme pressure fortified NLGI #2 GC/LB products. Each offers outstanding wear and extreme pressure protection, load carrying capacity, friction reduction, low temperature pumpability, thermal stability, storage stability, oxidation inhibition, rust and corrosion inhibition, water washout resistance and extended service life.

AMSOIL Series 2000 Synthetic Racing Grease is formulated for high-temperature/high-speed applications, such as wheel bearings. Yet, its outstanding load-bearing capacity suits it for use in low-speed bearings, such as heavy duty steering knuckles. Series 2000 Synthetic Racing Grease offers the load-bearing capacity of a heavy-duty grease without sacrificing the high-temperature protection of a multi-purpose.

AMSOIL Synthetic Multi-Purpose Grease is formulated for high-speed/high-temperature applications,

such as wheel bearings. AMSOIL Synthetic Multi-Purpose Grease is also available in a handy spray formulation.

AMSOIL Synthetic Heavy Duty Grease is formulated for low speed/high load applications, such as heavy-duty steering knuckles. It is a “moly” fortified grease to handle extreme load situations.

AMSOIL Synthetic Water Resistant Grease is formulated for applications with frequent water exposure, such as boat trailer and tow vehicle wheel bearings. Testing shows AMSOIL Synthetic Water Resistant Grease loses 47 percent less mass to water spray-off and 43 percent less mass to water washout than conventional greases do.



# More Products for Maximum Performance & Protection

## Filters

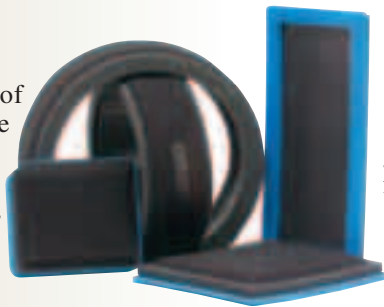
### AMSOIL Super Duty Oil Filter

AMSOIL SDF Filters are composed of a special cellulose, synthetic and glass blend media to provide longer life and improved efficiency. They provide up to 100 percent more capacity than other leading filters and achieve nearly 95 percent operating efficiency. An oil pressure relief valve assures proper oil flow at all times under all operating conditions.



### AMSOIL Reusable Foam Air Filter

The oil-wetted foam of AMSOIL Two Stage Foam Air Filters provides superior wear protection and improves performance and fuel



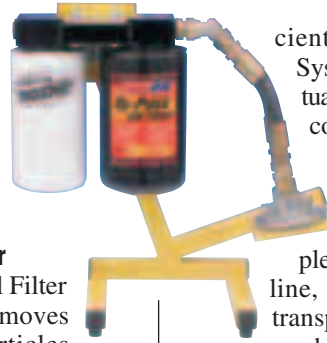
efficiency by trapping more dirt and allowing better air flow. Wash with soap and water and reapply AMSOIL Foam Filter Oil for years of trouble-free miles.

### AMSOIL By-Pass Oil Filter

The AMSOIL By-Pass Oil Filter taps into oil flow and removes water and damaging particles smaller than a micron, virtually eliminating engine wear. The By-Pass Filter filters all the oil in a six-quart system in about five minutes at an average engine speed of 45 mph.

### AMSOIL Dual Remote System

AMSOIL By-Pass Oil Filter removes water and particles smaller than a micron, while full-flow filter guarantees a ready flow of clean oil, keeping engines running cleanly and effi-



ciently. The Dual Remote System may be installed virtually anywhere in the engine compartment.

### Hastings Filters

AMSOIL also offers Hastings Filters to complement the AMSOIL filter line, meeting virtually every transportation and equipment need. The Hastings product line includes oil, air, fuel, coolant, crankcase, automatic transmission fluid, hydraulic, heavy duty and off-road filters.



## Fuel Additives

**Diesel fuel quality varies.** Bad fuel fouls injectors, accelerates injector pump wear, makes for rough running, impedes starting and causes cold temperature stalling.

You can't be certain of the quality you're getting at the pump. With AMSOIL diesel fuel additives, however, you can be certain that the fuel in your tank is the best it can be.

**AMSOIL Diesel Fuel Modifier** is formulated specifically for use in diesel cars, pickups and other light-duty diesels.



AMSOIL Diesel Fuel Modifier cleans fuel injectors, conditions fuel for low temperature service, inhibits injector pump wear and fuel system corrosion and stabilizes stored fuel.



**AMSOIL Cetane Boost** – North American diesel fuel is notoriously cetane-deficient. Often, the performance problems drivers blame on their diesel engines, like rough running and a lack of

power, are actually caused by cetane-deficient diesel fuel.

While rough running and low power are no picnic for the driver, they're a nightmare for the engine. Instead of igniting smoothly, low cetane fuel explodes sending shock waves through the combustion chamber and throughout the engine.

AMSOIL Cetane Boost (for use in all diesel engines) raises cetane three to seven numbers, helping engines start dependably and run smoothly and powerfully – just the way diesels should run.

**AMSOIL diesel fuel additives** are alcohol-free for seal protection. AMSOIL diesel fuel additives may be mixed during fueling.

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

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