Service Line
NEWS AND IDEAS FROM AMSOIL

AMSOIL Offers the Ultimate in Heavy Duty Filtration

Donaldson Filters

AMSOIL introduces the P-Series of Donaldson® filters to complement the Endurance™ line. The expanded offering of filtration products features many applications that differ from, and several that coincide with, the Endurance line. Donaldson P-Series filters offer premium filtration at a competitive price. AMSOIL now stocks all of Donaldson's most popular filter applications.

Donaldson P-Series Lube Filters

Increased engine emissions control and tighter tolerances within the engine require high efficiency filters.

Donaldson P-Series filters are constructed with full synthetic or synthetic blend media for high efficiency. The media is embedded deeper into the sealing plastisol than conventional filters, allowing better sealing longevity. The lube filter can is constructed of heavy gauge steel, with many models having domed tops that provide superior pressure fatigue performance. The center tube allows more flow without compromising strength, and the louvered design eliminates tearing during pleat movement. The can and base plate are assembled using a fully tucked seam, roll-formed threads, a nitrile sealing gasket and a compression spring holding all the components in place within the filter.

Air Filters

Donaldson P-Series filter media is made up of specially formulated fibers designed to trap contaminants such as dust, dirt and soot before they reach the engine. The media is pleated to maximize the filter surface area and placed between rigid liners to provide stability and support. A high quality filter seal is applied or built-in to the open end of the filter to prevent dirty air from bypassing the filter. Donaldson has developed an extensive range of air filter media to provide the best engine protection no matter what the operating conditions. For example, using the same particle size contaminant, for every 8 grams of dirt passed through a Luberfiner filter, the Donaldson filter passed only 2 grams.

Coolant Filters

Donaldson coolant filters are designed to maintain the proper chemical balance and reduce contaminants in the engine cooling system. AMSOIL offers a complete line of Donaldson filters with supplemental coolant additive (SCA) technology for the majority of heavy-duty diesel engines service requirements. SCAs are chemicals in the filter that are released into the coolant as it passes through. SCAs help resist corrosion and cavitation in the engine. (Note: Although there is no need for SCAs when using AMSOIL Antifreeze & Coolant, the use of Donaldson Heavy Duty Filters along with AMSOIL Antifreeze & Coolant will not affect performance.) The heavy-duty construction works in a wide variety of operating environments. Donaldson filters feature heavy-duty thread plates, seals designed for extreme cold and heat, durable filter media and a unique center tube that increases flow and adds structural strength.

Fuel Filters

Today's engines are built to more stringent specifications and finer tolerances. Fuel systems, pumps and injectors require cleaner fuel to achieve better combustion and lower emissions. AMSOIL carries Donaldson's full line of replacement fuel filters, featuring the latest advances in filter media that makes the difference between engine power and engine problems.

Hydraulic Filters

Donaldson also develops, manufactures and markets a full line of hydraulic filters for the protection of machinery and components in hundreds of applications – in the factory and on heavy duty mobile equipment. In fact, Donaldson is considered the world leader in hydraulic filtration.

Reduced Maintenance Costs

Combine these filters with Donaldson Endurance air filters in on-highway trucks and overall maintenance costs will decrease.

AMSOIL®

Service Line

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Superior Protection for 7,500 Miles and Beyond

Vehicle manufacturers increasingly are moving away from oil change intervals based on mileage. Many European vehicles feature oil life monitors that signal when oil is nearing the end of its life. These systems analyze engine operational data, including temperature, revolutions and speed, to determine oil life. The Mercedes-Benz Flexible Service System, for example, has been standard on all Mercedes-Benz vehicles sold in the United States since model year 1998 and typically allows 10,000- to 20,000-mile oil change intervals with synthetic motor oil.

Meet API SM, ILSAC GF-4 specifications

	Current 3,000 Mile Oil Change	AMSOIL 7,500 Mile Oil Change
Oil Change Price:	$25.25	$49.95
	x 5 per Year	x 2 per Year
Annual cost @15,000 miles	**$126.25**	**$99.90**

General Motors was the first to introduce its Oil Life System (OLS) to American cars in 1987. Now it's factory installed in 95 percent of new GM vehicles. It often allows extended drain intervals beyond 10,000 miles, even with conventional oil.

Other automakers also are recommending longer oil drains. Ford recommends oil change intervals of 5,000 miles or six months, whichever comes first. According to Chrysler's owner's manual oil should be changed at 7,500 miles or six months, whichever comes first.

AMSOIL offers drivers "peace of mind." They can be assured that by using AMSOIL there is no worry about extending oil drains.

XL Motor Oils are recommended for a minimum 7,500-mile/six-month oil change interval. When using AMSOIL XL Motor Oil with an oil monitoring system, and the oil change light comes on before 7,500 miles, simply reset the light and continue driving until hitting the 7,500-mile or six-month mark (whichever comes first). If the light hasn't come on by the 7,500-mile or six-month mark, continue driving with full confidence until the light comes on.

Available in 5W-20, 5W-30, 10W-30 and 10W-40 formulations, AMSOIL XL Synthetic Motor Oils exceed performance requirements for gasoline engines, including API SM and ILSAC GF-4.

AMSOIL XL Synthetic Motor Oils:

Improve Fuel Economy

AMSOIL XL Synthetic Motor Oils are fuel efficient oils formulated with friction modifiers to reduce energy loss from friction. They provide better fuel economy compared to conventional, non-fuel efficient motor oils.

Maintain Low Emissions

AMSOIL XL Synthetic Motor Oils are friendly toward modern emission control systems, helping to improve catalytic converter service life for low exhaust emissions.

Protect Engine in All Temperatures

AMSOIL XL Synthetic Motor Oils are heavily fortified with detergent/dispersant additives and are significantly more resistant to sludge and carbon deposits than conventional oils. XL oils promote clean operation for longer lasting, better running engines.

Preserve the Environment

Because AMSOIL XL Synthetic Motor Oils are formulated for lower emissions and cleaner operation fewer contaminants are released into the environment. Their 7,500-mile or six-month drain interval also significantly reduces the amount of waste oil consumers generate.

Customer Praises AMSOIL XL Oils

What do a 2004 Honda Civic and a 1990 Honda Accord have in common? AMSOIL XL Synthetic Motor Oil.

Austin Liles, installed AMSOIL XL 5W-20 and an AMSOIL filter in his 2004 Honda Civic at the engine's first oil change at about 10,000 miles.

"I immediately noticed a few changes," Liles reports.

The first time he started the engine, the oil warning light turned off as soon as the engine started. "There was no delay, like I'm used to," he said. "Now the warning light turns off before the engine even starts, all it has to do is crank."

The car ran better almost immediately, as well. "Before I even got out of second gear, the engine just seemed to run smoother," he said.

Liles told a friend the AMSOIL XL 5W-20 made a big difference in his new car, but he didn't describe what was different.

About a week later, the friend reported he'd installed the AMSOIL XL 5W-20 Synthetic Motor Oil in his 1990 Honda Accord, with 240,000 miles on the engine.

"His engine was running smoother than ever," Liles said. "We have never been more satisfied and impressed with an oil before."

IMPRESSED WITH AMSOIL – ***Austin Liles of Moore, Okla. uses AMSOIL XL Synthetic Motor Oil in his 2004 Honda Civic to get the best performance possible from the engine.***

AMSOIL Fact:

While it's safe to install AMSOIL Synthetic Motor Oil in a new engine during the break-in period, most new vehicles come filled with petroleum oil. It only makes good sense to change to AMSOIL at the first scheduled oil change interval.

New engine components generate high levels of wear metals and can contain contaminants from assembly. By allowing the engine to operate with the petroleum oil until the first oil/filter change interval, the wear metals and contaminants are removed prior to installing AMSOIL.

The AMSOIL *Service Line* sent courtesy of your Servicing AMSOIL Dealer.

Jeff Fisher 866-292-4700 www.SyntheticOils.us

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