



Oil 101: The Basics On oil And Why Synthetic Might Be Right For You

Background on the basics of various motor oils and the advantages of switching to a synthetic

([PRWEB](#)) September 22, 2004 -- Many people don't know how to select motor oil that will help them get optimum performance out of their car. People often just select the oil their father used, or they may take the suggestion of a counter person at an auto parts store who may not know any more about cars than they do. Below is a brief background on the basics of various motor oils and the advantages of switching to a synthetic.

The Basics:

There are meaningful differences in motor oils and choosing the right one can have a major impact on how well your car runs. Selecting the right oil is often the quickest and cheapest way to improve your car's performance and reliability. Two components determine how well motor oil will perform in your car. One factor is the base oil, and the other is the combination of chemicals (additives) that are added to the base oil.

There are two primary types of base oils, mineral and synthetic:

Mineral oils are by-products of refined crude oil. Refining helps reduce the impurities but leaves molecules of all shapes and sizes.

Synthetic oils are manmade compounds whose molecules are all the same size and shape; consequently, synthetic oil has a less friction and performs significantly better than mineral oils.

Use the Good, Better, Best model when choosing the right oil for you:

GOOD — Mineral-based (regular) motor oils. These are the cheapest and most widely available oils. They typically use standard additive packages that provide minimum levels of performance and protection.

BETTER — Synthetic motor oils. These man-made oils are more expensive than mineral-based oils but are still widely available. Their performance advantages come predominantly from the synthetic base oil used. They have a longer service life and offer some improvements in protection.

BEST — High-performance synthetic motor oils. These motor oils are the most technologically advanced oils. Although they significantly outperform mineral based or synthetic motor oils, they are about the same price as standard synthetic motor oil. They are typically only available through auto parts stores and select oil change centers.

Why synthetic oil is the choice for you:

You hate pumping gas and spending money on it.

According to independent research done by North Carolina State University, using Royal Purple Motor Oil instead of other energy-conserving motor oils offers fuel economy gains of up to 4.5%. The synthetic fluids' low coefficient of friction means you'll be making fewer stops for gas and in turn spending less money at the pump.

You're a little hard on your transaxle or transmission and your clutch.

Royal Purple's Synchromax for manual transmissions and transaxles and Max ATF for automatic transmissions and transaxles provide amazing reductions in friction, lower operating temperatures, smoother



shifts, excellent rust/corrosion protection and greater wear protection. In other words, your trans will be happier, cooler and live longer

You want more power

Royal Purple Motor Oil reduces friction and improves combustion efficiency, which translates into more horsepower and torque. In independent testing, just swapping to Royal Purple Motor Oil provided 1-3% more power by changing something you were going to change anyway.

You want that engine to live as long as possible

Royal Purple Motor Oil is made from a blend of synthetic oils and the company's proprietary, synthetic Synerlec additive technology. Synerlec greatly reduces engine heat and wear. And because it's extremely tenacious, it adheres to engine surfaces after shutdown, which means you get extra engine protection every time you start up. Plus, it lasts longer than other motor oils, so you can safely extend your oil change intervals up to 12,000 miles or more, as long as you change the filter regularly.

You want to help the planet by reducing your emissions

According to independent tests conducted by North Carolina State University, Royal Purple Motor Oil reduces harmful carbon monoxide emissions by as much as 62% when compared with conventional synthetic and petroleum-based oils.

Royal Purple Motor Oil's performance advantages come from a blend of synthetic oils and Royal Purple's proprietary, synthetic Synerlec additive technology. Synerlec greatly reduces engine heat and wear. Plus, it is extremely tenacious, adhering to engine surfaces after shutdown, which provides protection upon initial startup.

Royal Purple Motor Oil is available in all manufacturers' recommended grades for street cars and trucks, motorcycles, ATVs, snowmobiles, racing engines and RVs. It's compatible with both gasoline and diesel engines.

Royal Purple makes synthetic products for all your automotive needs, including engine oils, transmission fluids, gear oil, coolant additives, fuel system cleaner, power steering fluid, chain lubricant, grease, penetrating lubricant, assembly lube and shop compressor lubricant. For more information on Royal Purple or its products, contact Royal Purple Ltd., One Royal Purple Lane, Porter, TX 77365, 281-354-8600, www.royalpurple.com.

###

**Contact Information**

Dana Mones

Royal Purple

<http://www.royalpurple.com>

818-407-3496

Online Web 2.0 Version

You can read the online version of this press release [here](#).