

# FUNDAMENTALS OF QUALITY MOTOR OIL

## 1. What makes Pennzoil Platinum® unique from other synthetic base oils?

Unlike traditional motor oils made from crude oil, our base oil is made from pure natural gas, 99.5% free of engine clogging impurities. We then add cutting edge additives to create our most technically-advanced synthetic oils.

## 2. Will using a synthetic oil void a car's warranty?

No. As always, follow your engine manufacturer's recommendation for the correct oil to use.

## 3. Can you switch back and forth between synthetic and conventional oils?

Yes, you can switch back and forth with no ill effects.

## 4. Do synthetic oils cause engine leaks?

No. Bad seals, cracks and holes cause engine leaks, not synthetic motor oils.

## 5. Do synthetic oils need to be changed as often as conventional oils?

Always follow oil change intervals recommended by the vehicle manufacturer.

## 6. It is my understanding that some oils can cause sludge, what causes sludge?

Dirt and contaminants are created during an engine's fuel combustion cycle. Part of the job of an engine oil is to suspend these contaminants within the oil until an oil change is performed. Eventually, however, a "breaking point" is reached. Oil quality, engine maintenance, fuel quality, and driving conditions all contribute to when the breaking point occurs—conventional and lower quality oils can reach the breaking point more quickly than high quality full synthetic oils. At this point, the contaminants may begin to settle out of the oil, which can form sludge, varnish and other damaging deposits within the engine.

## 7. You're recommending a synthetic oil, isn't that just a way for you to make more money?

You get what you pay for, and high quality full synthetic oils deliver significant performance improvements when compared to conventional oils.

Synthetic oil provides highest levels of lubrication and engine protection, generally offering better protection at start-up, better cleansing qualities, enhanced durability and better protection against heat build-up. Synthetics are recommended for high-performance cars, as well as trucks, vans and SUVs that regularly carry heavy loads, tow trailers and/or operate frequently at high-RPMs.

## 8. What separates high mileage oil from synthetic oil?

Here are some of the differences between high mileage and synthetic oils:

High mileage oil is designed for vehicles suffering from signs of age, oil consumption, leaks, etc.

Synthetic oils are designed to meet specifications for high-performance vehicles and for people who want high levels of engine protection for any vehicle.

Always look for oils that meet the specifications called for in the owner's manual.

## 9. Does my vehicle need a synthetic high mileage motor oil?

Engine technology is advancing faster than ever. Approximately 100% of new vehicles require synthetic motor oil\*. When vehicles requiring synthetics reach 75,000 miles, it's time to make the switch to Pennzoil Platinum® High Mileage to provide your vehicle with all the benefits of using a full synthetic, and also prevent leaks and oil consumption in a higher mileage vehicle. Remember to reference your owner's manual for oil specifications.

\*Based on IHS Markit Automotive

## 10. My neighbor told me oil contains wax and if it does, is that bad for your engine?

Truth is that most oils contain some wax in some form. Formulators deal with the wax with additives called pour point depressants. If you use high quality oils, you'll have this well in hand so that wax is not an issue.

## 11. Why is it important to use the right viscosity?

Your engine was designed with an oil viscosity in mind! Many of the moving parts inside your engine depend on the oil being the right viscosity, to function correctly. Always consult the owner's manual for both the correct type (specification) of oil and the correct SAE viscosity grade.



**THE PROOF IS IN THE  
PENNZOIL  
MADE FROM NATURAL GAS**