

Olson Marketing

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in partnership with Insane Oil of Omaha

Your Amsoil Information News Source

What is Amsoil OE?

[Amsoil OE Synthetic Motor Oil](#) is Amsoil's version of motor oil that is designed to follow the manufacturer's drain interval specifications.

OE stands for "Original Equipment." This means that, in gasoline-fueled vehicles, [Amsoil OE Synthetic Motor Oil](#) is recommended for the intervals stated by the vehicle manufacturer or indicated by the oil life monitoring system. Don't forget to change the oil filter at every oil change also.

[Amsoil OE Synthetic Motor Oil](#) is Warranty Secure, keeping your factory warranty intact. OE is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the Amsoil Limited Warranty. For details visit:

www.amsoil.com/warrantysecure



[Amsoil OE Synthetic Motor Oil](#) has achieved 100% protection against LSPI in the engine test required by the GM dexos1 Gen 2 specification - zero occurrences were recorded throughout five consecutive tests.



What's Inside This Issue?

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Why Might I Run Amsoil OE?

Amsoil has three different lines of 100% Synthetic Motor Oil.

Signature Series

(25,000 mile or 1 Year Oil)

XL

(12,000 mile or 1 Year Oil)

OE

(Manufacturer Specified Interval)

The formulation and engineering of the product determines its life span. For example, Signature Series has a more robust additive package which allows the oil to "last" longer than XL. Similarly, XL has a more robust additive package than OE.

Does that mean that Amsoil OE is the "cheap stuff." Technically, yes, Amsoil OE is less expensive than XL and Signature Series. The real question to ask is, "How does Amsoil OE compare against the oil that they put in at the dealership?" The short answer is that Amsoil OE has up to 300% better wear protection compared with the oil that the dealerships uses. In other words, the "cheapest" oil that Amsoil sells does a 300% better job than the oil that the vehicle manufacturer tells you to use as found in my Elantra Case Study:

[Issue #89, January 2019](#)

[Issue #90, February 2019](#)

[Issue #91, March 2019](#)

[Issue #92, April 2019](#)

So this brings us to the next question on your mind.

Why Might I Run Amsoil OE?

You might run Amsoil OE for multiple reasons.

1. You don't fully trust the claims that Amsoil Signature Series and XL motor oil line will actually last an entire year but still want Amsoil Quality Protection for your engine.

2. The manufacturer's oil change interval (traditionally 3,000 miles or 3 months) is ingrained in the fiber of your being but you can't justify paying the extra money for Amsoil Signature Series or XL if you are just going to change it in 3,000 miles, but still want Amsoil Quality Protection for your engine.

3. Your engine leaks oil and you don't want use Signature Series or XL because it will just end up in your driveway, but still want Amsoil Quality Protection for your engine.

4. Other reasons but still want Amsoil Quality Protection for your engine.

Regardless of the reason, in all cases you want to protect your engine with a premium product that offers superior protection compared to all other products on the market.

Let's dive into #4 from above:

Other Reasons



One of my family's vehicles is a 2008 Hyundai Elantra. We purchased this vehicle new from the dealership in 2008. I have ran Amsoil products in this vehicle since we bought it. This is the same Hyundai Elantra that had an oil pump failure that led to a catastrophic engine failure and was ultimately used in the Oil Comparison Case Study back in 2019.

It is also the same Hyundai Elantra that was involved in an automobile collision in August 2020. We then rebuilt the front end of the vehicle and in September 2020 completed an oil change switching from Signature Series to XL line of Amsoil Motor Oil.

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...continued... Why Might I Run Amsoil OE?



Before



After

I wanted to know if there were any lasting issues from the collision. Specifically, I was looking for internal issues that probably would not be noticed. More specifically, I was looking for signs of excessive wear or other internal degradation that would lead to premature failure of the engine. To do this an oil sample must be analyzed. This month (September 2021) marks one year after having installed Amsoil XL Motor Oil. I have had the same oil in the engine for one full year. I knew that after analyzing it I could get definitive evidence if there was a lasting impact from the collision as far as the internal workings of

the engine are concerned. What I found was very almost astounding for several reasons.

First off, the oil condition was at a critical level, but not from what one would think.



The results for wear metals indicated virtually no wear inside the engine. The additive package was still in tact and the general health of the oil was just fine. So what was the reasoning that led to a critical level?

Fuel Dilution was the result of the oil being at a Critical level.

The presence of fuel causes the lubricant to thin, reducing its load carrying ability. Once the lubricant is thinner and more volatile, the lubricant is consumed at a higher rate. Fuel in the lubricant also promotes the formation of internal engine deposits such as varnish and sludge.

High fuel dilution can be caused by component faults related to injectors, ignition/timing, or excessive blow-by.

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Sample #	Wear Metals (ppm)										Contaminant		Multi-Source Metals (ppm)					Additive Metals (ppm)						
	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	12	1	0	1	10	0	1	0	0	0	17	1	0	0	7%	0	1	0	185	846	1132	0	662	752

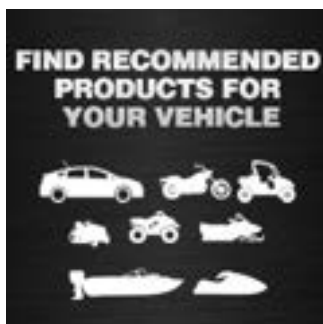
Sample #	Sample Information							Contaminants			Fluid Properties					
	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base No. D4739	Oxidation	Nitration
1	19-Sep-2021	24-Sep-2021	1193	101902	Yes	0	Yes	>5 - GC	<.1	<.1 - FTIR	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1mm
												7.3	3.03	13	10	

...continued...Why Might I Run Amsoil OE?

Additional causes include heavy throttle application, engine lugging, frequent short trips and excessive idling.

The culprit in this instance would be frequent short trips. Although this vehicle is driven 6 days a week, each time it is driven the average commute is less than 2 miles.

Since the commute distance is not likely to change anytime soon, the oil will continue to acquire higher than normal levels of fuel dilution. The solution is to change the oil more frequently. In this case the manufacturer specifies the oil change interval at 3,000 miles or 3 months. I want to protect this engine, which has no issues according to the oil analysis report, but I also don't need to be installing oil engineered to last an entire year when I will be changing it every 3 months. Thus, Amsoil OE is the best solution for this situation. I can use oil that is designed specifically for the Manufacturer's Oil Change Interval Specification and save money over utilizing a product designed for extended drain intervals of up to 1 year. In addition, I have superior protection compared to the dealership's oil. Win, Win, Win.



Congratulations to NEW Amsoil Opportunists and Enthusiasts!

Congratulations:

New Preferred Customers

BJ Dowding
Lincoln, NE

Ken Halvorsen
Lincoln, NE

John Martinez
Sugar Land, TX

Michael Manygoats
Chandler, AZ

Jim Ball
Natchez, MS

Wade Saddler
Lincoln, NE

Armando Lezama
Lincoln, NE

Joe Pulick
Lincoln, NE

Aaron Walters
Nebraska City, NE

Scott Banks
Firth, NE



Congratulations:

New Catalog Customers

Kyle Ormsby
Saint Clair Shores, MI

Kenneth Camberos
Chula Vista, CA

Jezne Rivera
Escondido, CA

Congratulations:

New Retail Account

Frontline Auto LLC
Lincoln, NE

Congratulations:

New Commercial Account

Larsen Painting
Lincoln, NE

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