

# Choosing the Right Motor Oil



No matter what you drive or how you drive, AMSOIL provides specially formulated motor oil designed to protect your vehicle. Different vehicles endure different challenges depending on their design and usage. We engineer motor oil to target those unique conditions and maximize power, performance and protection in all vehicles. What's the right motor oil for your vehicle?



	SIGNATURE SERIES	EXTENDED-LIFE (XL)	HIGH-MILEAGE	HYBRID	OE
WEAR PROTECTION	✓✓✓✓✓	✓✓✓	✓✓✓	✓✓✓✓	✓✓
ENGINE CLEANLINESS	✓✓✓✓✓	✓✓✓	✓✓✓✓	✓✓	✓✓
SERVICE INTERVAL	✓✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	✓✓
EXTREME-TEMP PERFORMANCE	✓✓✓✓✓	✓✓	✓✓	✓✓✓✓	✓✓
CORROSION PROTECTION	✓✓✓✓✓	✓✓✓	✓✓	✓✓✓✓	✓✓
OIL-CONSUMPTION CONTROL	✓✓✓✓✓	✓✓✓	✓✓	✓✓	✓✓
VISCOSITY CONTROL	✓✓✓✓✓	✓✓✓	✓✓	✓✓✓✓	✓✓
LEAK PROTECTION	✓✓✓✓✓	✓✓	✓✓✓✓	✓✓	✓✓
SEVERE-SERVICE PROTECTION	✓✓✓✓✓	✓✓✓	✓✓	✓✓	✓✓

## AMSOIL SIGNATURE SERIES 100% SYNTHETIC MOTOR OIL

Engineered for enthusiasts seeking maximum protection and performance. Precision-formulated with cutting-edge technology and a passion for making the world's best motor oil.

- **75% more engine protection** against horsepower loss and wear<sup>1</sup>
- Protects turbochargers **72% better** than required<sup>2</sup> by the GM dexos 1 Gen 2 specification
- **28% more acid-neutralizing power** than Mobil 1<sup>3</sup>
- **50% more cleaning power**<sup>4</sup>
- **Trusted** by professional engine builders
- **Guaranteed** protection for up to 25,000 miles or 1 year

<sup>1</sup>Based on independent testing of AMSOIL Signature Series 0W-20 using the ASTM D6891 standard test  
<sup>2</sup>Based on independent testing of AMSOIL Signature Series 5W-30 in the GM Turbo Coating test. <sup>3</sup>Based upon independent testing of Mobil 1 Annual Protection Full Synthetic 5W-30 and AMSOIL Signature Series 5W-30 in ASTM D2896. Oils purchased in July 2020. <sup>4</sup>Compared to AMSOIL OE Synthetic Motor Oil.

## AMSOIL EXTENDED-LIFE 100% SYNTHETIC MOTOR OIL

Overbuilt for road warriors so you can confidently drive up to 20,000 miles or one year<sup>2</sup> between oil changes. A proprietary combination of advanced synthetic base oils and a boosted additive package promotes cleanliness and prolonged engine life.

- **37% more cleaning power**<sup>4</sup> to help keep your engine running smoother, longer
- **Protects** against LSPI
- **20,000 miles** of guaranteed protection between changes<sup>5</sup>

<sup>1</sup>Normal Service – Up to 20,000 miles (32,000 km) or one year, whichever comes first, in personal vehicles not operating under severe service. <sup>2</sup>Compared to AMSOIL OE Synthetic Motor Oil.

## AMSOIL 100% SYNTHETIC HIGH-MILEAGE MOTOR OIL

Designed specifically for the unique demands of high-mileage engines, helping extend the life of your vehicle. Delivers purpose-built protection at a time in your vehicle's life where it could benefit from more-robust maintenance.

- **Unique chemistry** for vehicles with over 75,000 miles
- **Boosted** detergent and dispersant package
- **Enhanced** anti-wear additives
- **Reduced sludge by 67%**,<sup>7</sup> demonstrating its cleaning power that helps engines last longer and perform better
- **Guaranteed Protection For 12,000 Miles/1-Year**<sup>8</sup> API Licensed

<sup>1</sup>Based on independent testing of AMSOIL 0W-20 100% Synthetic High-Mileage Motor Oil using a modified Sequence VH Test (ASTM D6256). <sup>2</sup>Normal Service – Up to 12,000 miles or one year, whichever comes first, in personal vehicles not operating under severe service.

## AMSOIL 100% SYNTHETIC HYBRID MOTOR OIL

Infrequent engine usage and increased start/stop activity place demands on lubricants not common in traditional ICE vehicles. AMSOIL 100% Synthetic Hybrid Motor Oil is a premium upgrade over vehicle-manufacturer-branded motor oils, delivering purpose-built protection for the hybrid-drive cycle to maximize engine life, efficiency and performance.

- Provides up to **16% better low-temperature viscosity** than Mobil 1,<sup>\*</sup> delivering better protection at startup.<sup>9</sup>
- **Specialty** formulated for hybrid engines
- **Superior** sludge and deposit control
- **Enhanced** corrosion protection
- **Trusted** by professional engine builders
- **Guaranteed** protection for **15,000 Miles/1-Year**<sup>10</sup>
- **API** licensed

<sup>\*</sup>Based on independent, third-party testing of AMSOIL 0W-20 100% Synthetic Hybrid Motor Oil and Mobil 1 0W-20 Hybrid Full Synthetic Motor Oil (batch code 10322M14A RN6913 320000 D340BUD0E15 purchased April 17, 2023) in the industry-standard ASTM D5293 Cold Crank Simulator test as required by SAE J300. <sup>9</sup>Normal Service – Up to 15,000 miles or one year, whichever comes first, in personal vehicles not operating under severe service.

## AMSOIL OE 100% SYNTHETIC MOTOR OIL

Delivers 100% synthetic engine protection for advanced automotive technology, including turbos and direct injection. Specifically formulated for the longer drain intervals recommended by original equipment (OE) manufacturers.

- Fights sludge and deposits with **100% synthetic formulation**
- **47% more wear protection**<sup>11</sup> than required by the GM dexos1 Gen 2 specification
- **100% protection against LSPI**<sup>12</sup> in the engine test required by the GM dexos1 Gen 2 specification

<sup>11</sup>Based on independent testing of OE 0W-20 in the Peugeot TUGM Wear Test as required by the dexos1 Gen 2 specification. <sup>12</sup>Based on zero LSPI events in five consecutive tests of AMSOIL OE 5W-30 Motor Oil in the LSPI engine test required by the GM dexos1 Gen 2 specification.

## FREQUENTLY ASKED QUESTIONS

### **Why do I need AMSOIL High-Mileage Motor Oil?**

It provides an added boost of detergents to clean up sludge and deposits left behind from prior use with a lower-quality oil. A robust viscosity provides additional wear protection even after some wear has occurred. Added seal conditioners extend the life of seals from drying, cracking and leaking.

### **When should I use AMSOIL High-Mileage Motor Oil?**

At or around the time your vehicle has 75,000 miles on it.

### **Do I need to use AMSOIL High-Mileage Motor Oil if I've been using AMSOIL motor oil already?**

No. If you've consistently used AMSOIL motor oil, your engine has been protected. That being said, if you have been using OE and would like to upgrade overall engine protection as it ages, AMSOIL High-Mileage Motor Oil is an excellent choice.

### **I thought AMSOIL motor oil products were good for all mileage?**

Correct, all AMSOIL motor oil will perform and protect well regardless of miles on the vehicle. However, for those looking for targeted benefits at an affordable price, AMSOIL High-Mileage Motor Oil is the best choice for high-mileage applications. For those seeking ultimate performance and protection regardless of miles, we still recommend Signature Series Motor Oil.

### **Why do I need Hybrid Motor Oil?**

Hybrid engines operate under a different set of conditions that often result in additional fuel and water contamination — and that leads to corrosion. Due to their frequent stops and starts, their engines operate at lower temperatures. AMSOIL Hybrid Motor Oil is uniquely formulated to address these specific challenges.

### **When should I use Hybrid Motor Oil?**

AMSOIL Hybrid motor oil is an excellent choice for any Hybrid Electric (HEV) or Plug-in Hybrid Electric Vehicle (PHEV) regardless of miles or age of vehicle.

### **What if I've been using AMSOIL already in my Hybrid vehicle?**

If you have been using AMSOIL products, your engine has received excellent protection. All AMSOIL PCMO products of the appropriate viscosity are compatible with hybrid technologies. However, AMSOIL Hybrid Motor Oil has been engineered to focus on the unique challenges presented by hybrid vehicles and do it at an affordable price. If you have been using OE and are looking for an upgrade in hybrid engine protection, AMSOIL Hybrid Motor Oil is an excellent choice.

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