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OE: Peace-of-Mind Protection

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Available in November, the new OE Synthetic Motor Oil formulation provides increased wear protection for today's advanced automotive technology, including turbochargers and direct injection. It's specifically formulated for the longer drain intervals recommended by original equipment



(OEZ, OEM, OEF, OET)

- **Protects** against wear
- Achieved **100 percent protection against LSPI**¹
- **Fights** sludge and deposits
- **API licensed** to meet the requirements commonly found in owner's manuals

Advanced Wear Protection

OE Synthetic Motor Oil provides excellent wear control and protects vital engine parts like pistons and cams. This added protection is particularly important

given the extreme environments produced by many of today's smaller displacement engines that typically run lower-viscosity motor oil. Camshaft wear can alter valve timing, greatly reducing engine efficiency. The Peugeot* TU3M Wear Test, which must be passed to meet the GM* dexos1® Gen 2 specification, determines a motor oil's ability to limit wear. For 100 hours the four-cylinder test engine is subjected to extreme, wear-inducing conditions. AMSOIL OE Motor Oil provided **47 percent more wear protection** than required by the GM dexos1 Gen 2 specification.²

Protects Pistons from Low-Speed Pre-Ignition

Like Signature Series and XL, OE features an advanced detergent system for advanced protection. Most new engines feature gasoline direct injection (GDI), often combined with a turbocharger to boost power and improve fuel economy. These new technologies pose significant challenges to motor oil, one of which is low-speed pre-ignition (LSPI). LSPI is the spontaneous ignition of the fuel/air mixture prior to spark-triggered ignition. It occurs in today's advanced engines and is much more destructive than typical pre-ignition. OEMs like GM have addressed the issue by designing tests to determine a motor oil's ability to prevent LSPI. OE Synthetic Motor Oil provided **100 percent protection against LSPI**¹— zero occurrences were recorded in five consecutive tests.

¹Based 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.

²Based on independent testing of OE 0W-20 in the Peugeot TU3M Wear Test as required by the GM dexos1 Gen 2 specification.

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