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# PROTECT PROTECT NOW-SPEED PRE-IGNITION (LSPI) IS A POTENTIALLY CATASTROPHIC PROBLEM SURFACING IN TODAY'S ENGINES.

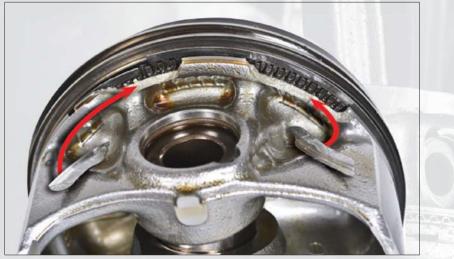


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## SAVE UP TO 25% ALOG **CRACKED PISTONS. BROKEN RODS. LSPI SPELLS TROUBLE.**

Most new engines feature gasoline direct-injection (GDI), often coupled with a turbocharger. These technologies heighten the possibility of a form of engine knock called low-speed pre-ignition (LSPI), which can destroy pistons and connecting rods. Properly formulated motor oil is critical for protecting engines from LSPI.

AMSOIL OE, XL and Signature Series Synthetic Motor Oils achieved 100 percent protection against LSPI\* in the engine test required by GM's dexos1® Gen 2 specification-zero occurrences were recorded throughout five consecutive tests.



Example of piston damage due to an LSPI event observed during the testing of a competitor's motor oil. The red arrows indicate sections of the ring land that have broken away from the piston.



### Learn more and buy at amsoil.com/lspi

Based on zero LSPI events in five consecutive tests of AMSOIL Signature Series, XL and OE 5W-30 Motor Oil in the LSPI engine test required by the GM dexos1 Gen 2 specification

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# **OE Synthetic Motor Oil**

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