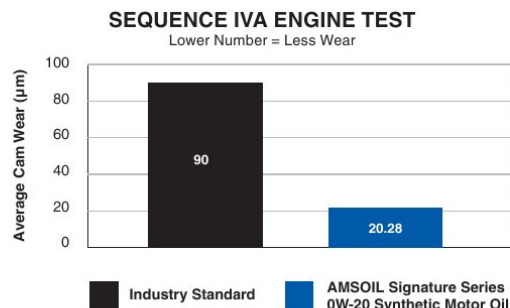


# Signature Series Synthetic Motor Oil Performance Tests

## Fights Wear

**75% more engine protection** against horsepower loss and wear.<sup>1</sup>



<sup>1</sup>Based on independent testing of AMSOIL Signature Series 0W-20, in ASTM D6891 as required by the API SN PLUS specification.

## Protects Against LSPI

AMSOIL Synthetic Motor Oils achieved **100% protection** against LSPI.<sup>2</sup>



**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.

<sup>2</sup>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.

## Guards Turbos

Protects turbochargers **72% better than required**<sup>3</sup> by the GM dexos1<sup>®</sup> Gen 2 specification.



**Signature Series controlled heat and minimized performance-robbing deposits on the turbo-bearing and shaft surfaces.**

<sup>3</sup>Based on independent testing of AMSOIL Signature Series 5W-30 in the GM turbo coking test.

## Battles Sludge

AMSOIL Signature Series Synthetic Motor Oil has **50% more detergents**<sup>4</sup> to help keep oil passages clean and promote oil circulation. It provides **90% better protection against sludge.**<sup>5</sup>

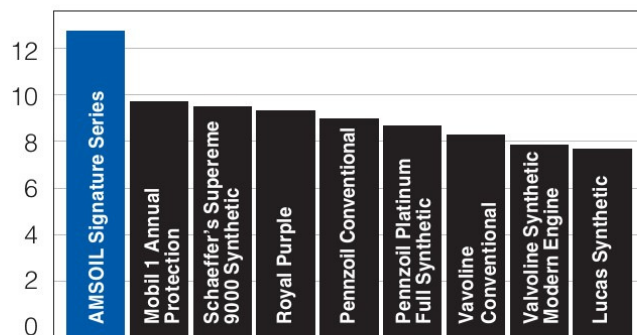


**The oil pick-up tube screen is virtually free of sludge.**

<sup>4</sup>vs. AMSOIL OE Motor Oil  
<sup>5</sup>Based on independent testing of AMSOIL Signature Series 5W-30 in the ASTM D6593 engine test for oil screen plugging as required by the API SN specification.

### ACID NEUTRALIZING POWER

Represented By Total Base Number (TBN) in ASTM D2896



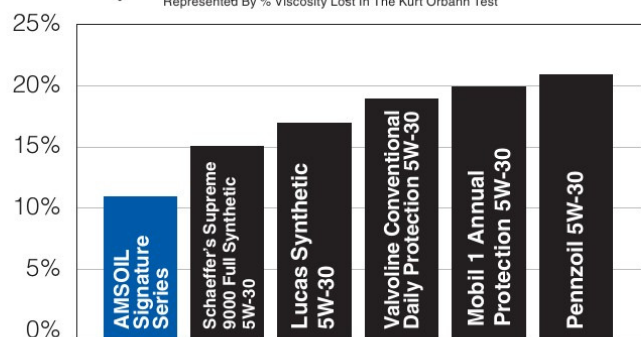
### Neutralizes Acids

AMSOIL Signature Series is fortified with a heavy treatment of detergent additive and it delivers **30% more** acid neutralizing power than Mobil 1, and **36% more** than Royal Purple,<sup>6</sup> helping engines to stay cleaner, longer.

<sup>6</sup>Based upon independent testing of Mobil 1 Annual Protection Full Synthetic 5W-30, Royal Purple High Performance 5W-30 and AMSOIL Signature Series 5W-30 in ASTM D2896. Oils purchased 05/03/18.

### VISCOSITY BREAKDOWN

Represented By % Viscosity Lost In The Kurt Orbahn Test

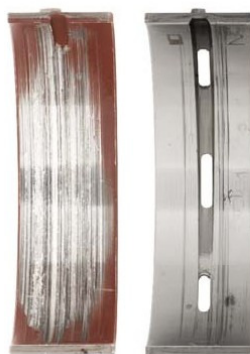


### Fights Viscosity Breakdown

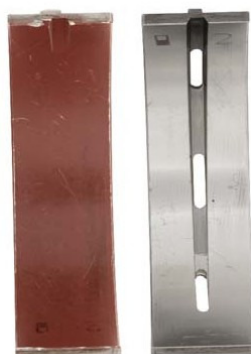
AMSOIL fights viscosity breakdown **better than the competition**,<sup>7</sup> providing superior protection of pistons, cams and bearings.

<sup>7</sup>Based on independent testing of AMSOIL Signature Series, Schaeffer's Supreme 9000 Full Synthetic, Lucas Synthetic, Valvoline Conventional Daily Protection, Mobil 1 Annual Protection and Pennzoil 5W-30 in the Kurt Orbahn Test. Oils purchased on 5/3/18.

Competitor's 5W-30



Signature Series 5W-30



### Delivers Powerful Protection

An independent lab compared AMSOIL synthetic motor oil head-to-head against a leading competitor in a 100,000-mile test.<sup>8</sup> AMSOIL provided **far superior wear protection** and kept bearings looking like new.

<sup>8</sup>Testing conducted in an independent lab using AMSOIL Signature Series 5W-30 Synthetic Motor Oil and a leading synthetic-blend 5W-30 motor oil in Ford F-150 trucks with 3.5L twin-turbo engines.