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NEWS

AMSOIL Signature Series Excels

The Sequence IIIG Engine Test (ASTM D7320) is designed to evaluate automotive motor oils for oil thickening, piston deposits, oil...



March 10, 2020

The Sequence IIIG Engine Test (ASTM D7320) is designed to evaluate automotive motor oils for oil thickening, piston deposits, oil consumption and engine wear during moderately high-speed, high-temperature service. It must be passed for motor oil to meet the API SN and ILSAC GF-5 motor oil specifications. Results in the 100-hour test are an important indicator of how well a motor oil will perform in real-world service.



Series 5W-30 Synthetic Motor Oil not only passed the double-length test, it did so with flying colors. Results show the oil delivered outstanding wear protection, deposit control and oxidative stability after 200 hours of testing. The complete results are available in the new Sequence IIIG [Field Study](#).

What it Means to Motorists

Modern engines demand increased performance from motor oil. Turbochargers, direct fuel injection, variable valve timing and other advancements improve fuel economy and performance, but result in increased operating temperatures, pressures and contaminants, while increasing the likelihood of viscosity loss due to mechanical shear. Motor oil today must guard against the negative effects of added stress for today's sensitive engine systems to function as designed. While not all motor oils may be up to the challenge, these test results prove that Signature Series offers exceptional protection against harmful deposits, viscosity increase and wear in the toughest conditions, helping motorists maximize the performance and longevity of their vehicles. Its ability to keep components clean despite increased stress helps sophisticated engine systems operate smoothly and demonstrate long life. Signature Series' outstanding performance combined with its extended-drain capabilities offer a unique combination of quality and value not offered by other motor oils.

Recommended AMSOIL products

Start with [AMSOIL synthetic motor oil](#) and find the exact AMSOIL products for all your vehicles with the [AMSOIL Product Guide](#).

Related Reading

- [Why Buy Signature Series?](#)
- [AMSOIL Crushes Sequence IIIG Engine Test](#)
- [The Best We've Made](#)
- [Signature Series Battles Sludge](#)
- [Keeps Pistons Clean](#)

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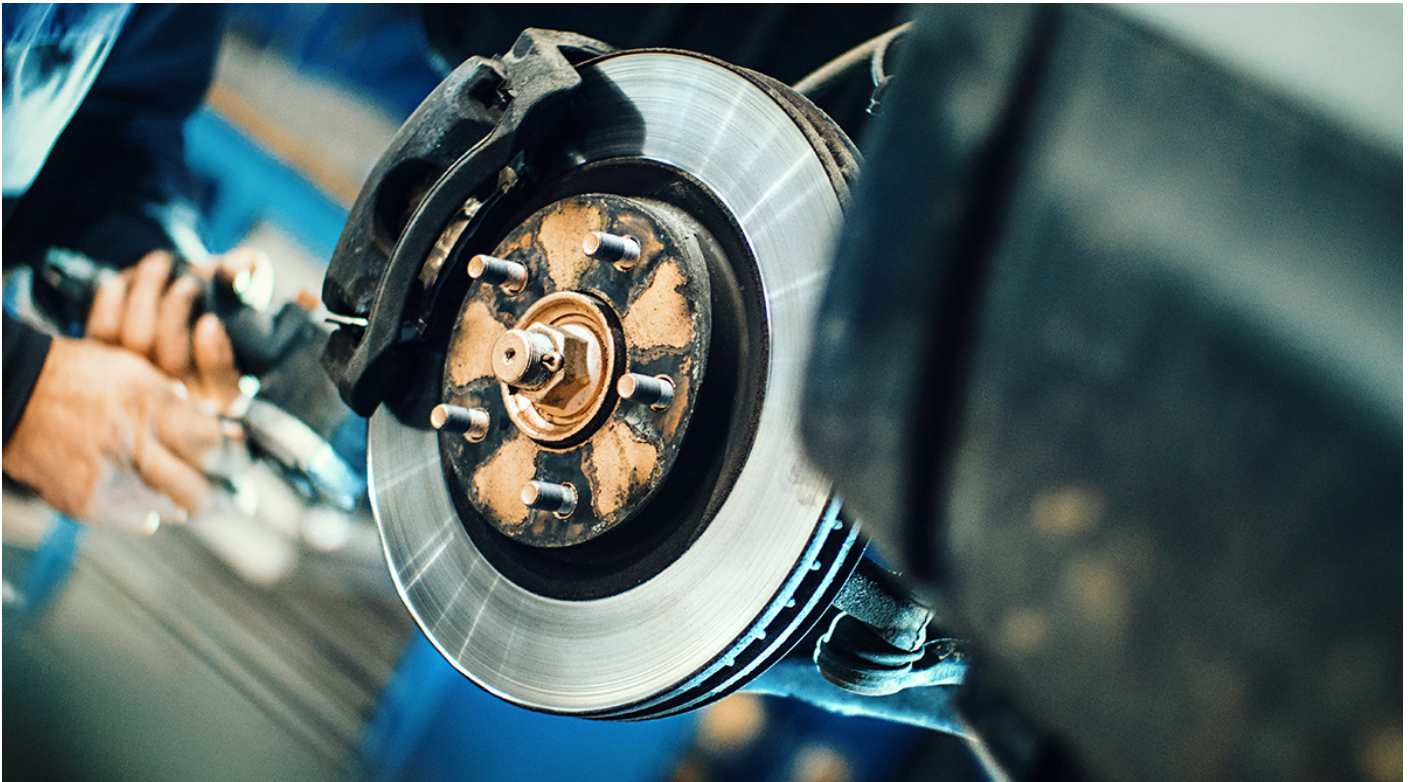




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September 4, 2026





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September 2, 2026

SYNTHETIC VS. CONVENTIONAL

Although you might know that synthetic oils outperform conventional oils, you might not understand why. The differences begin at the molecular level.



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