

Chevron Lubrication Marketer FAQ - ILSAC GF-6 / API SP – N.A. Phase 1

When will Chevron's ILSAC GF-6 / API SP passenger car motor oil products be available?

Chevron will introduce ILSAC GF-6 / API SP qualified products in two phases:

- **Phase 1** will start June 1, 2020 with our existing Havoline® ProDS® Full Synthetic Motor Oils (SAE 0W-16, 0W-20, 5W-20, 5W-30, 10W-30) in large package styles only: bulk, tote, drum and pails. There is no change to formulations, product codes, UPCs and no need to run down tankage to minimum levels.
- **Phase 2** implementation will launch by Q4 2020 and will include the full reformulated line of Havoline, and Supreme, ILSAC GF-6 / API SP motor oils, in all package styles.

Why the two-phased implementation?

COVID-19 and the subsequent physical distancing requirements caused disruption to manufacturing and production operations resulting in Chevron's originally planned implementation to be delayed to Q4 2020.

FOR PHASE 1 -

Why only full synthetics?

Only the current Havoline ProDS Full Synthetic (SAE 0W-16, 0W-20, 5W-20, 5W-30, 10W-30) formulations were robust enough to be qualified to meet the more stringent ILSAC GF-6 / API SP performance testing requirements.

Have the current Havoline ProDS Full Synthetic formulas changed?

No. There is no change in formulations for the current Havoline ProDS products.

Will product codes or UPCs change?

No. There are no changes to current product codes, UPCs or sell sheets, in Phase 1.

What about the smaller package styles?

Labels and cartons for PitPack® and quarts will not change and will continue to show that these products meet ILSAC GF-5 / API SN Plus; however, the [ChevronLubricants.com](https://www.ChevronLubricants.com) website and the publicly available product data sheet for Havoline ProDS Full Synthetic Motor Oils (SAE 0W-16, 0W-20, 5W-20, 5W-30, 10W-30) will be updated for ILSAC GF-6 / API SP industry claims (English, Spanish and French). Chevron made the decision not to change small package styles to minimize inventory complexity for all parties, considering how close we are to implementing Phase 2.

What about drum and pail labels for marketers that repackage bulk products?

The "Item Description" in the Drum and Pail Label System will change to show "(API SP)" for products that qualify, e.g. 223510-982 - 55G NRD - Havoline ProDS Full Synthetic Motor Oil SAE 5W-30 (API SP).

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Will you have updated bulk tank reel/console decals available?

Yes. Professional installers and Chevron Lubrication Marketers should go to the [Chevron Signage & Merchandise Center](#), under Havoline and Decals, to order new ILSAC GF-6 / API SP, 5"x7" and 8.5"x11" decals for bulk tank reels and consoles. Again, this is only for Havoline ProDS Full Synthetics (SAE 0W-16, 0W-20, 5W-20, 5W-30 and 10W-30) effective June 1, 2020.

When will professional installers start to see ILSAC GF-6 / API SP product?

Depending on large pack inventory levels and sales velocity by product, it may be as short as a week to more than a month. Chevron's large pack label system (bulk/tote/drum/pail) will be updated effective June 1, 2020 to reflect the new specifications. Ultimately this a matter of rotating through current large package inventories and changing large package labels as well as reel/console decals.

Will any other Havoline products meet ILSAC GF-6 / API SP on June 1?

No. The rest of the Havoline line will transition during Phase 2. Also, Havoline ProDS Full Synthetic Motor Oil SAE 5W-40 and Euro 5W-40 are excluded (European gas/diesel products will remain API SN).

MORE GENERAL QUESTIONS AND ANSWERS

What is ILSAC GF-6?

International Lubricants Standardization and Approval Committee (ILSAC) is an organization formed in 1992 by joint effort between American and Japanese automobile manufacturers, and the lubricants industry, to develop performance standards for engine oils. ILSAC qualified oils can use the API Certification Mark (the starburst) on the product label.

GF-6 is the new industry standard specification for ILSAC motor oil grades, replacing GF-5. The new technology will enable today's smaller and lighter, more power dense, turbocharged, gasoline direct injection engine technologies to achieve automaker performance requirements including Corporate Average Fuel Economy (CAFE) standards set by the United States Department of Transportation. GF-6 motor oils will deliver the following performance benefits: improved fuel economy and lower emissions, better deposit control, and greater protection against timing chain wear and Low Speed Pre-Ignition (LSPI). Consumers everywhere will benefit from new Chevron Havoline GF-6 / API SP oils in the areas of fuel economy retention, wear, and LSPI protection, with unprecedented sludge and deposit control.

What is API SP?

The American Petroleum Institute (API) is a domestic focused, automotive organization that sets engine oil standards for all segments of America's oil and natural gas industry. 'SP' is the latest API engine oil performance standard applicable across viscosity grades. API SP replaces API SN/SN PLUS and is backward compatible to all previous "S" category oils. Oils that comply the Society of Automotive Engineers (SAE) oil viscosity standards are eligible for API licensing and use the API Certification Mark on the product label.

What is Low Speed Pre-Ignition (LSPI)?

LSPI refers to premature engine combustion event at low speeds in which the fuel-air mixture ignites before intended, causing excessive pressures inside the engine's cylinders. The higher power density of turbocharged, GDI (gasoline direct injection) engines makes them vulnerable to LSPI. In mild cases, LSPI causes "super knocking" noises, but in more severe cases it can cause engine damage. In 2018, the American Petroleum Institute (API) introduced a new specification, API SN Plus, a supplemental service category to address LSPI with a new engine test called Sequence IX.

What is the timing around GF-6, API SP motor oils?

First licensing date and use of GF-6A, GF-6B and API SP marks is May 1, 2020. The traditional phase-in period is 12-months from first licensing which means that after April 30, 2021, only GF-6 oils can display the Starburst.

What is the difference between ILSAC GF-6A and GF-6B?

The new GF-6 standard is split into two sub-categories for different generations of engine technology.

- **GF-6A** is backward-compatible for all ILSAC viscosities grades (SAE 0W-20, 5W-20, 0W-30, 5W-30, 10W-30). Licensed oils that meet the GF-6A standard are allowed to display the traditional API "Starburst" Certification Mark.
- **GF-6B** is only for SAE 0W-16 and is not backward compatible to any previous service categories, as most engines were not engineered to run on such a low viscosity grade oil. To prevent misapplication, licensed oils that meet the GF-6B standard will display a brand-new API "Shield" Certification Mark.



What will happen to API SN/SN PLUS?

SP is the next generation API specification and is applicable across all viscosity grades. API SP replaces API SN/SN PLUS and is backward compatible to all previous "S" category oils. API SP with Resource Conserving and GF-6 share the same engine tests and performance limits. API licensed oils wear the API Certification Marks.

What are the main performance differences between GF-5 & GF-6?

GF-6 oils provide improved performance in these areas: fuel efficiency, engine sludge control, piston cleanliness, turbocharger deposit control, timing chain wear protection, and LSPI protection. ILSAC GF-6 includes seven, new or updated engine tests compared to GF-5 API SN:

- Sequence IIH (Oxidation and deposit test) measures oil thickening and piston deposit due to oxidation under elevated temperature
- Sequence IVB (Cam wear test) measures overhead cam valvetrain wear at various engine operating speeds
- Sequence VH (Sludge and varnish test) evaluates deposit, sludge, and varnish formation on engine parts
- Sequence VIE (Fuel economy test) evaluates fuel economy for GF-6A vis-grade
- Sequence VIF (Fuel economy test) evaluates fuel economy for GF-6B vis-grade

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- Sequence IX (LSPI) measures performance and protection against low speed preignition for turbocharged direct injection gasoline engine
- Sequence X (Chain wear test) measures timing chain wear under the environmental with soot produced by direct injection gasoline engine

Will my vehicle require an ILSAC GF-6 motor oil?

Chevron recommends that you refer to the vehicle owner's manual for what is required by the OEM.

What if my owner's manual recommends GF-5 motor oil?

ILSAC GF-6A is backward compatible to previous ILSAC GF-X standards within the same viscosity grade. One can use an approved GF-6A motor oil in a GF-5 recommended application without performance concerns. In fact, the GF-6A motor oil will provide additional protection for engines compared with GF-5 motor oils.

Is SAE 0W-20 suitable for use in an engine calling for ILSAC GF-6B SAE 0W-16 motor oil?

Only if approved by the OEM. ILSAC GF-6A oils (SAE 0W-20 in this case) are backwards compatible with GF-5 oils of the same viscosity. ILSAC GF-6B oils (SAE 0W-16) are not backwards compatible. Chevron recommends always following the OEM owner's manual recommendation.

What should I expect if I am an auto business owner?

Business owners and their employees should be able to explain to consumers that ILSAC GF-6 / API SP is the newest industry specification replacing GF-5 / API SN Plus. They should know that the first licensing date of ILSAC GF-6 is May 1, 2020 with an industry standard 12-month implementation period, which gives everyone until April 30, 2021 to run through GF-5 / API SN Plus inventories. Newer vehicles may not require these standards until 2021, and OEMs may issue service bulletins or online updated owner's manuals before 2021 to recommend using ILSAC GF-6A or GF-6B motor oil. To order Chevron's ILSAC GF-6 products, contact your local Chevron Lubrication Marketer, Chevron Business Consultant, or call Chevron at (866) 354-4476.

Why should I choose Havoline ILSAC GF-6 motor oils?

Chevron's Havoline brand has been protecting passenger vehicle engines almost as long as there have been cars on the road. Our heritage dates to 1904, longer than almost every other motor oil brand. We have experts, chemists and engineers with passion who continuously push the frontier of engine protection technology. You can trust and rely on Chevron to protect your vehicles as if it was one of ours. All Chevron products are backed by our warranty so that you have the peace of mind that you are installing, safe, reliable, premium quality products in your customers' vehicles – and in your vehicles!

Who should I contact for technical-related information on ILSAC GF-6 and API SP?

Call Chevron LubeTek at (800) 582-3835.