



November 1, 2020

Subject: ILSAC GF-5 to GF-6 Transition

Dear Valued Smitty's Supply Customer:

In the coming months, Smitty's Supply, Inc. will be transitioning Super S branded products labeled ILSAC GF-5 to the new ILSAC GF-6 specification. This product transition is a rolling change that will not affect part numbers or barcode data. Any pail, drum, or tote labels found in our online repackaging portal that requires an ILSAC GF-6 designation will be changed accordingly. At the same time, we are transitioning all pail, drum, and tote labels to meet the latest GHS requirements

Smitty's Supply, Inc. now offers ILSAC GF-6 products in bulk which are reflected on our website. Every customer will be responsible to ensure all tanks are labeled appropriately by April 30th, 2021.

Smitty's Supply, Inc. sincerely values your business and will continue to provide you with quality products at competitive prices. Should you have any questions concerning this transition on products that will be affected, please contact your Smitty's Supply, Inc. sales representative. Feel free to share this with your staff who may order from us.

Thank you for your continued support. We do appreciate your business and wish the best to you, your staff, and your families.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jon Lorio", with a long, sweeping flourish extending to the right.

Jon Lorio
Executive Vice President of Sales
Smitty's Supply, Inc.



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Super S® API SP/GF-6A/GF-6B

TECHNICAL INFORMATION



INTRODUCTION

It has been 10 years in developing the new ILSAC GF-6 performance specification for Passenger Car Motor Oils. First market use for ILSAC GF-6 will begin May 1, 2020. Nine to 12 months after the May 1 first allowable use date, ILSAC GF-6 will be mandatory for all light-duty engine oils bearing the American Petroleum Institute's starburst trademark. Smitty's Supply, Inc. will begin supplying bulk GF-6 technology May 1, 2020 and it will be your option on any bulk orders to order GF-5 or GF-6 product. GF-6 product initially will be Blend on Demand with a minimum order of 1,500 gallons. Packaged product will be a rolling change over the next few months.

ILSAC GF-6 has three significant areas of improvements over GF-5:

1. Fuel Economy
2. Oxidative Stability
3. Piston Deposits

These improvement needs are a result of a drive to smaller engines without a sacrifice of power. Technology such as "Eco-Boost (Turbo Charge)", in combination with small engines, provides better fuel economy while maintaining the performance level of the larger engine designs. This technology significantly increases pressure on the lubricant in the form of heat and a need to control wear and deposits.

GF-6 TESTS PERFORMED

The following new engine tests were developed for GF-6:

- Sequence IX
(Low-speed Pre-ignition Test)
- Sequence X Test
(Chain-wear Test)
- Sequence IIH
(Oxidation and Deposit Test)
- Sequence IVB Test
(Cam/Wear Test)
- Sequence VH Test
(Sludge and Varnish Test)
- Sequence VIE Test
(Fuel Economy Test)
- Sequence VIF
(Fuel Economy Test)
- Sequence VIII
(Corrosion Test)

ILSAC GF-6A	ILSAC GF-6B
PERFORMANCE EQUAL TO GF_5	
<ul style="list-style-type: none">• LOW TEMP WEAR CONTROL• HIGHTEMP WEAR CONTROL• CORROSION PROTECTION• SHEAR STABILITY• CATALYST COMPATIBILITY• HIGHTEMP DEPOSIT CONTROL• LOW TEMP PUMPABILITY• E85COMPATIBILITY	
PERFORMANCE IMPROVEMENTS TO GF_5	
<ul style="list-style-type: none">• OXIDATION STABILITY• PISTON CLEANLINESS• SLUDGE / VARNISH CONTROL• FUEL ECONOMY• FUEL ECONOMY RETENTION	
NEW PERFORMANCE REQUIREMENTS	
<ul style="list-style-type: none">• TIMING CHAIN WEAR• LOW SPEED PRE-IGNITION• LOW VISCOSITY GRADE	

ILSAC GF-6A	ILSAC GF-6B
More robust than ILSAC GF_5	
Increased durability LSPI prevention	Increased durability LSPI prevention
Fuel Economy and FE Retention	
GOOD RATING Measured by sequence VIE	BETTER RATING Measured by sequence VIF
SAE Grades	
Current ILSAC GF-5 grades	Fuel Economy grades below SAE 0W-20
High Temp / High Shear Viscosity	
>2.6 mPa.s	.3 - 2.6 mPa.s
Symbol	
Backwards Compatible	
YES	NO

Super S[®] API SP/GF-6A/GF-6B

TECHNICAL INFORMATION

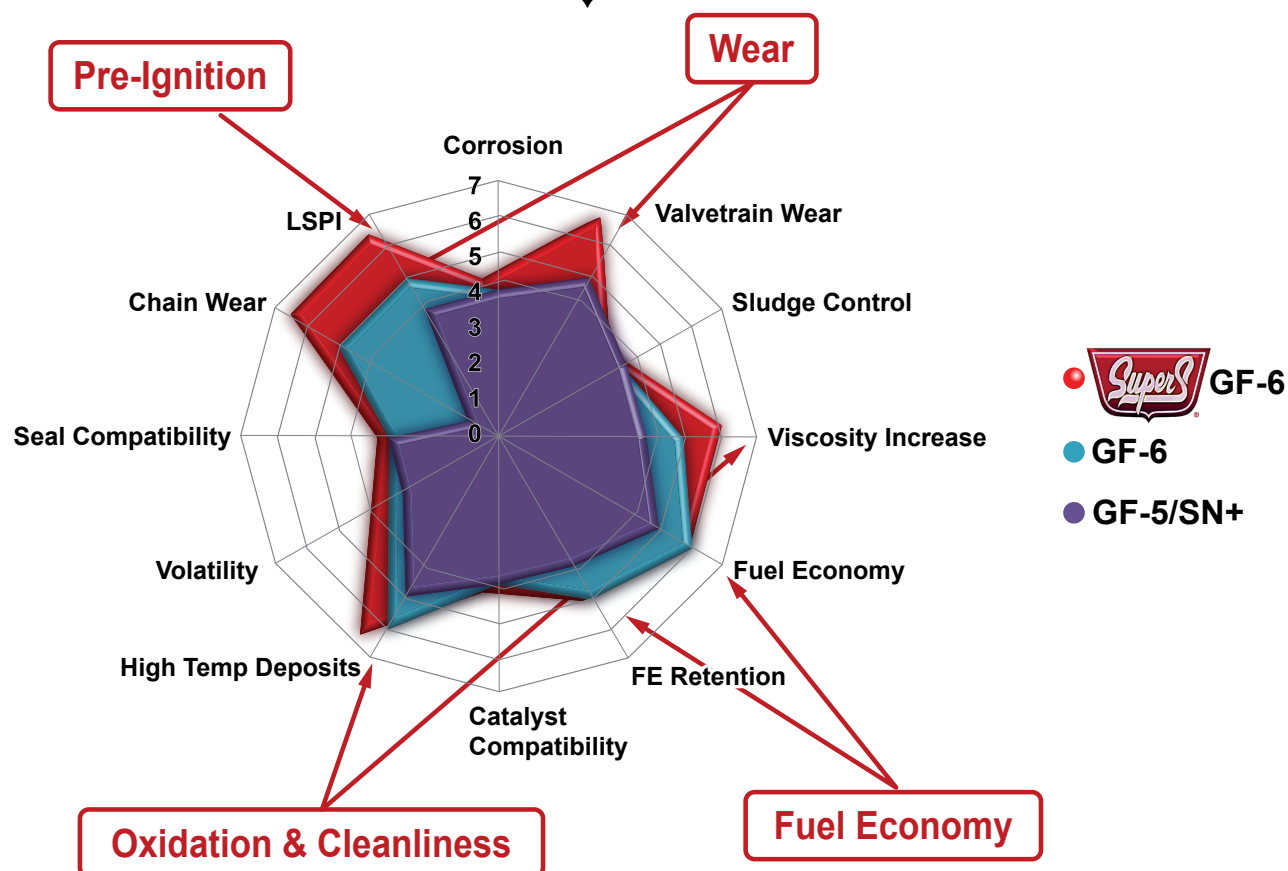


INTRODUCTION (CONT.)

The SUPER S new GF-6 Technology in testing for approval has demonstrated outstanding performance features and benefits in the following critical areas:

1. Wear Performance
2. Oxidation & Cleanliness performance
3. Pre-ignition control
4. Fuel Economy

Performance of GF-6 Technology



Super S® API SP/GF-6A/GF-6B

TECHNICAL INFORMATION INTRODUCTION (CONT.)



PRODUCTS

SUPER S MULTI-FLO SB 5W-20 SP
SUPER S MULTI-FLO SB 5W-30 SP
SUPER S MULTI-FLO SB 10W-30 SP
SUPER S MULTI-FLO SB 10W-40 SP
SUPER S MULTI-FLO SB 20W-50 SP
SUPER S MULTI-FLO 30 SP
SUPER S MULTI-FLO 40 SP

SUPER S SUPERSYN FS 0W-16 SP
SUPER S SUPERSYN FS 0W-30 SP
SUPER S SUPERSYN FS 0W-40 SP
SUPER S SUPERSYN FS 5W-40 SP
SUPER S SUPERSYN FS 10W-30 SP

SUPER S SUPERSYN FS 0W-20 SP
SUPER S SUPERSYN FS 5W-20 SP
SUPER S SUPERSYN FS 5W-30 SP

BULK PRODUCT CODES

SUS 121 BULK
SUS 93 BULK
SUS 50 BULK
SUS 51 BULK
SUS 48 BULK
SUS 49 BULK
SUS 98 BULK

SUS 797 BULK
SUS 802 BULK
SUS 407 BULK
SUS 397 BULK
SUS 350 BULK

SUS 795 BULK
SUS 792 BULK
SUS 796 BULK

PRODUCT SPECIFICATIONS

GF-6A/SP
GF-6A/SP
GF-6A/SP
SP
SP
SP
SP

GF-6B/SP
GF-6A/SP
SP
SP
GF-6A/SP

GF-6A/SP
GF-6A/SP
GF-6A/SP

The following symbols will be displayed on all licensed products that meet the new specifications.



This new shield badge will be displayed for GF-6B oils, which is not backward-compatible to any previous standard. These oils are far less common than GF-6A types and will be limited to SAE 0W-16 and below.



The API "Starburst" signifies oils which meet the latest International Lubricant Specification Advisory Committee (ILSAC) standard. The ILSAC standards are developed by vehicle and engine manufacturers, oil and additive companies and industry trade associations such as API, ACC, ASTM and SAE. These oils provide engine protection while also delivering improved fuel economy and emission system protection. Before May 1: GF-5. After May 1: transition to GF-6A.



The API donut denotes the latest service category from the American Petroleum Institute. Before May 1: API SN (or SN Plus). After May 1: transition to API SP.