



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

## PRODUCT DATA SHEET

### SYNPLUS 0W/20 SN GF-5

#### PRODUCT DESCRIPTION

**Synplus 0W/20 SN GF-5** is the ultimate full synthetic lubricant for engine protection and fuel efficiency in new and older petrol engines. It meets and exceeds the latest API SN Plus specification, has ILSAC GF-5 fuel efficiency performance, is able to be used for older API petrol specifications, and has been particularly developed for vehicles requiring the thinner API 0W20 viscosity grade (such as some later model Subaru vehicles).

**Synplus 0W/20 SN GF-5** is made using full synthetic base oils and specially selected additive systems; producing a low SAPS, high performance engine oil that combines the latest development in oil formulation and additive technology to provide lubricating oil with the highest level of protection.

**Synplus 0W/20 SN GF-5** is suitable for petrol four stroke engines especially small turbo charged engines operating under moderate, severe, or varied operating conditions, such as low temperature start up, stop-and-go driving, and high temperature motorway driving.

In recent years manufacturers have developed smaller, higher output engines that also need to meet stricter fuel economy limits. Although smaller engines decrease vehicle weight and improve fuel economy, they also need better lubricants due to:

- **Increased heat output** - accelerates acid formation, nitration, and formation of deposits and sludge. These conditions degrade the oil and rapidly increase oil viscosity and decrease fuel economy.
- **Increased engine pressures and speed** - make it harder for the oil to maintain a lubricant film to prevent metal on metal contact. This metal on metal contact accelerates valve train wear.
- **Low Speed Pre-Ignition (LSPI)** – occurs in some turbo charged small capacity engines.

**Synplus 0W/20 SN GF-5** is designed to meet all these challenges to the lubricating systems of modern engines.

#### BENEFITS & FEATURES

- **Full Synthetic Base Oils** - blended from high quality synthetic base oils; producing extended life for the lubricant and providing excellent cold start-up protection.
- **Addresses Low Speed Pre-Ignition** - It meets the API SN Plus performance level which has been specifically developed to address Low Speed Pre-Ignition (LSPI) and timing chain wear in small turbocharged petrol engines.
- **Oxidation/Corrosion Resistance** - meets and betters the API SN Plus oxidation requirements in the TEOST MHT Deposit Formation test; and the corrosion requirements in the Sequence VIII Bearing Weight Loss test, and the Sequence VG Engine Sludge and Oil Screen Clogging test.
- **Excellent Cam Wear Protection:** exceeds API SN Plus Sequence IVA Average Cam Wear Limit by a huge margin thus promoting longer engine life (results of less than 20µm cam wear; as compared to API SN limit of maximum 90µm cam wear).
- **Excellent Emission Control:** **Synplus 0W/20 SN GF-5** meets the stricter modern emissions standards and provides extended emissions system durability.



AUSTRALIAN FAMILY OWNED SINCE 1989





Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

## PRODUCT DATA SHEET

- Catalytic Converter Protection:** One of the standard tests for the API SN Plus Resource Conserving performance level is the measurement of the % of Phosphorus retained in the engine oil using the Sequence IIIGB test. Phosphorus leaching out of the engine oil, poisoning and clogging the catalytic converter in the vehicle exhaust system, can be a major issue. API SN Plus measures and puts limits on this leaching, thus controlling catalyst poisoning and exhaust system degradation.
- Fuel Efficiency: Synplus 0W/20 SN GF-5** meets the ILSAC GF-5 as well as the API SN Plus Resource Conserving performance requirements, having the technology for better handling of internal friction, thus translating into better fuel economy and reduced maintenance costs. Performance in the Sequence VID test for Improved Fuel Efficiency of greater than 2.6% and Sequence IIIG Oil Thickening and Cam Lifter Wear support these claims.

### SPECIFICATIONS

**Synplus 0W/20 SN GF-5** meets or exceeds the following demanding performance levels:

API:	SN Plus, SN, SM, SL, CF API Resource Conserving
ILSAC:	GF-5, GF-4, GF-3
Ford:	WSS-M2C947-A

Always consult your vehicle owner's manual for the manufacturer's lubricant recommendations.

### TYPICAL PROPERTIES

Property	Results
Appearance	Amber
Density (kg/Lt) @15°C	0.851
Viscosity (cSt) @100°C	8.75
@40°C	46.5
CCS @ -35°C (cP)	5486
Viscosity Index	170
Flash Point (°C)	222
TBN (mg KOH/g)	7.25

**Available in:** Bulk, 1000 Litres, 200 Litres, 20 Litres and 5 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

**Item code:** HI1-2114

**Issued:** September 2019

GH919090/2



AUSTRALIAN FAMILY OWNED SINCE 1989

