



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

PRODUCT DATA SHEET

EVOLUTION 5W/30 SN GF-5

PRODUCT DESCRIPTION

EVOLUTION 5W/30 SN GF-5 is the ultimate lubricant for engine protection and fuel efficiency in new as well as older petrol and small diesel engines. It meets the API SN Plus and ILSAC GF-5 Resource Conserving requirements.

EVOLUTION 5W/30 SN GF-5 is suitable for many types of petrol and four stroke engines operating under severe and varied operating conditions, such as low temperature stop-and-go driving or high temperature motorway driving.

EVOLUTION 5W/30 SN GF-5 is a semi-synthetic formulation with specially selected additive systems to provide an oil with higher resistance to oxidation to combat greater internal engine operating temperatures, thereby reducing engine deposits and enhancing piston and turbocharger protection.

EVOLUTION 5W/30 SN GF-5 has a higher level of dispersants and detergents to provide more stringent sludge control under all service conditions. It has friction modifiers which better handle internal engine friction to help achieve greater fuel economy.

EVOLUTION 5W/30 SN GF-5 has a lower use of components known to reduce catalyst life, helping to meet the newer stricter emissions standards and providing extended emissions system durability.

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

BENEFITS

- **Semi-Synthetic Base Oils** - blended from high quality synthetic and mineral base oils; producing extended life for the lubricant and providing excellent cold start-up protection.
- **Addresses Low Speed Pre-Ignition** - 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** - meets the stricter modern emissions standards and provides extended emissions system durability.
- **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 converters 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.



AUSTRALIAN FAMILY OWNED SINCE 1989





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- **Fuel Efficiency** - meets the ILSAC GF5 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 1.9% and Sequence IIG Oil Thickening and Cam Lifter Wear support these claims.

SPECIFICATIONS

EVOLUTION 5W/30 SN GF-5 meets the following specifications:

API:	SN Plus, SN, SM, SL, SJ, SH API Resource Conserving
ILSAC:	GF-5, GF-4, GF-3
Ford:	WSS-M2C946A
Chrysler:	MS-6395

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

TYPICAL PROPERTIES

Property	ASTM Method	Results
Density (kg/Lt) @ 15°C	ASTM D-1298	0.856
Viscosity (cSt) @ 100°C	ASTM D-445	10.8
@ 40°C	ASTM D-445	65.1
Viscosity Index	ASTM D-2270	159
Flash Point (°C)	ASTM D-92	201
Pour Point (°C)		-45
Foam, Seq I, II, III (after settling)	ASTM D-892	0, 0, 0
Cold Cranking Simulator @ -30°C	ASTM D-5293	6247
TBN (mg KOH/g)	ASTM D-2896	7.07

Available in: Bulk, 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. 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"

Item code: HI1-2117

Effective: March 2020

MRo23021/1



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