



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

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PRODUCT DATA SHEET

SYNPLUS ULTRA 5W/30 C2/C3

PRODUCT DESCRIPTION

Synplus Ultra 5W/30 C2/C3 is a full synthetic mid SAPS super high performance engine oil which combines the latest development in oil formulation and additive technology to provide a lubricating oil with the highest level of protection. It meets the ACEA C2 and C3 performance specifications resulting in reduced friction in the engine, decreased fuel consumption, increased service intervals and extended operating life for the engine and exhaust components. It also meets the API SP performance level which has been specifically developed to address Low-Speed Pre-Ignition (LSPI) and timing chain wear in small turbocharged petrol engines.

Today's environmentally conscious market demands reduced emissions and increased fuel efficiency providing for better air quality. In recent years, car manufacturers have developed smaller turbocharged higher output direct injection engines to meet these stricter fuel economy and emission limits. These smaller engines help decrease vehicle weight and improve economy but impact lubricants through:

- **Increased heat** - accelerates the rate of oil oxidation, nitration and deposit formation in the engine oil. This extra heat degrades the oil and encourages the creation of more acids, increasing oil viscosity especially when bio-fuels are part of the fuel mixture.
- **Increased pressure and speed** - makes it harder for the oil to maintain a lubricant film to prevent friction from metal on metal contact, accelerating valve train wear.
- **LSPI**: low speed pre ignition - causes engine noise and at times catastrophic engine damage in many small turbo charged engines.
- **Emission system requirements** - most of today's petrol and small diesel engines are fitted with three-way catalytic converters which reduce emissions of CO, NOx and unburnt fuel. These catalytic converters comprise a reduction catalyst, which converts NOx to harmless nitrogen, and an oxidation catalyst which burns the CO and hydrocarbons. Catalytic converters however are susceptible to blocking and performance degradation due to SAPS (Sulfated Ash, Phosphorous and Sulfur) which are present in engine oil detergents, anti-wear additives and base oils.

These new engine designs require higher performing lubricants. **Synplus Ultra 5W/30 C2/C3** is formulated to meet all these challenges to the vehicle's lubricant system.

BENEFITS

Benefits of using **Synplus Ultra 5W/30 C2/C3** include:

- Better fuel economy
- Extended service intervals
- LSPI protection
- Longer life for engine and catalytic exhaust components (DPF and TWC filter systems)



AUSTRALIAN FAMILY OWNED SINCE 1989





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SPECIFICATIONS:

Synplus Ultra 5W/30 C2/C3 meets or exceeds the following demanding performance levels:

API:	SP, SN, SM
ACEA:	C2, C3
BMW Longlife:	LL-04
GM:	DXS 2
Mercedes Benz:	229.31, 229.51, 229.52, 229.61
Opel:	GM-LL-B-025
PSA:	B71-2290
Porsche:	C30
Renault:	RN720
Volkswagen:	502.00, 505.00 505.01

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

TYPICAL PROPERTIES

Property	Results
Appearance	Amber
Density (kg/Lt) @15°C	0.865
Viscosity (cSt) @100°C	12.1
(cSt) @40°C	71.3
Viscosity Index	168
CCS @ -30°C (cP)	6185
HTHS	3.5
Flash Point (°C)	219
TBN (mg KOH/g)	7.5
Sulphated Ash (% wt)	0.80
Phosphorus (% wt)	0.08
Sulphur (% wt)	< 0.3

Available in: Bulk, 1000 Litres, 200 Litres, 60 Litres, 20 Litres, 5 Litres and 1 Litre

"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"

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