



PETRONAS

## Product Data Sheet (PDS)

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# PETRONAS Syntium 7000 Hybrid 0W-20

Designed with °CoolTech™ technology to fight excessive engine heat

Modern driving conditions like stop-start driving, idling in city, driving with heavy loads, acceleration on highways, driving up steep hills and many more put engines under a lot of stress that can lead to excessive heat buildup. Excessive engine heat generation is not limited to one particular country or driving patterns; it is common issue engines face across the globe.

### Description and Applications

PETRONAS Syntium 7000 Hybrid 0W-20 is formulated with °CoolTech™ to fight excessive engine heat. °CoolTech™ targets the critical heat zones – engine parts affected by excessive heat inside the engine to effectively absorb & transfer the excessive heat and regulates the temperature, defending the engine critical components from damaging and loss of performance.

Hybrid engines with start-stop systems endure more stress than normal car engines. The increased frequency of engine re-starts puts extra loads and stresses in the valve train & through the crankshaft. Average sludge and varnish results and wear on the valve train and piston rings were all slightly worse for the hybrid engine relative to the non-hybrid engine. As a result, it causes high pressure and temperature inside its cylinders and requires an oil that can withstand these conditions.

PETRONAS Syntium 7000 Hybrid 0W-20 is formulated to provide protection against low-speed pre-ignition (LSPI) for turbo charged direct injection gasoline powered vehicles and meets the latest API SN PLUS specification. It is a dedicated and suitable for petrol-electric hybrid vehicle.

The experience gathered by PETRONAS on the F1 circuits and most important motoring events and competitions has enabled the development of PETRONAS Syntium; a range of hi-tech lubricants capable of meeting the needs of new generation engines – both on track and on the road.

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

### Benefits

Main benefit(s):

- Ultimate high temperature oxidation control, provide protection against oil thickening at high / excessive temperatures.

Also delivers:

- Ultimate high temperature deposit control to improve drivability and enhances engine performance.
- Withstanding high temperature lubricant evaporation loss to stop premature thermal degradation to help preventing engine failure from wear & tear.
- Ultimate fuel economy performance even after aging, the oil run in the engine continue to provide good protection and wear. Engine just perform like new.

### Approvals, Specifications and Recommendations

PETRONAS Syntium 7000 Hybrid 0W-20 is a fully synthetic lubricant that meets and exceeds below performances:-

#### Approvals and Specifications:

- API SN PLUS
- ILSAC GF-5
- DEXOS 1 GEN 2

Note: Always consult your owner's manual to check recommended specifications for your particular vehicle

## Typical Physical Data

Parameters	0W-20
Density @ 15 °C, kg/l	0.846
Pour Point, °C	-39
Kinematic Viscosity, cSt	
@ 40 °C	45.0
@ 100 °C	8.4
Viscosity Index	167
Cold Cranking Viscosity cP @ -35 °C	5100
Suphated Ash, % wt	0.8
TBN, mg KOH/h	8.0

\*All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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