



# **PETRONAS Syntium 7000**

## **0W-20**

### **Designed with °CoolTech™ technology to fight excessive engine heat**

Modern driving conditions such as stop-start driving, idling in traffic jams, 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 a particular country or driving pattern; it is a common issue engines face across the globe.

#### **Description and Applications**

PETRONAS Syntium 7000 0W-20 is a fully synthetic lubricant that is formulated with °CoolTech™ to fight excessive engine heat. °CoolTech™ targets the critical heat zones – parts that are affected by excessive heat inside the engine – to effectively absorb and transfer excessive heat to regulate temperature within the engine; defending the engine's critical components from damage and loss of performance.

PETRONAS Syntium 7000 0W-20 is specially designed to be suitable to meet the demanding requirements of latest high-performance cars. It is formulated with environmentally friendly low SAPS lubricant technology to meet the latest API SP and ILSAC GF-6A specifications.

It is also suitable for most turbocharged direct injection gasoline passenger cars operating under severe conditions (please refer to the owner's manual).

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

#### **Benefits**

PETRONAS Syntium 7000 0W-20 is formulated with °CoolTech™ to fight excessive engine heat for optimum engine performance and to defend the engine's critical components through:

- Ultimate fuel economy performance.
- Ultimate resistance to high temperature oxidation and oil thickening to provide adequate oil supply to the engine and prevent car breakdown
- Ultimate protection for new technology turbocharged gasoline engines against catastrophic failure in some engines caused by low speed pre-ignition (LSPI).
- Outstanding sludge prevention capability for gasoline applications to protect engines from seizing up.
- Outstanding protection against engine wear and corrosion.
- high temperature deposit control to improve drivability and for ultimate engine performance.

#### **Approvals, Specifications and Recommendations**

##### **Specifications:**

- API SP
- ILSAC GF-6A

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

## Typical Physical Data

| Parameters                 | Method      | Unit                     | Typical Value  |
|----------------------------|-------------|--------------------------|----------------|
| Appearance                 | -           | -                        | Bright & Clear |
| Density @15°C              | ASTM D 4052 | g/cm <sup>3</sup>        | 0.848          |
| Kinematic Viscosity @100°C | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 8.4            |
| Viscosity Index            | ASTM D 2270 | -                        | 170            |
| Flash Point COC            | ASTM D 92   | °C                       | 220            |
| Sulphated Ash              | ASTM D 874  | %                        | 0.6            |
| TBN                        | ASTM D 2896 | mgKOH/g                  | 7.2            |
| CCS at -35°C               | ASTM D5293  | mPa-s                    | 5162           |
| Pour Point                 | ASTM D97    | °C                       | -45            |

All technical data are 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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Code: 70600