



# **PETRONAS Syntium 7000**

## **0W-40**

### **Developed with °CoolTech™ technology to control engine-damaging heat**

With today's smaller, more compact modern engines running hotter than ever, and congested stop/start traffic increasing operating temperatures further, the conditions couldn't be more challenging and hostile for an oil. To achieve maximum thermal efficiency, engines need to stay cool in the face of aggressive heat.

#### **Description and Applications**

PETRONAS Syntium 7000E 0W-40 is a fully synthetic lubricant developed with °CoolTech™ technology that effectively controls the heat, resisting oxidation and preventing oil degradation and deposit build up, to protect parts and maintain engine efficiency for the full drain interval.

PETRONAS Syntium 7000E 0W-40 provides outstanding fuel economy and meets the demanding requirements of modern, high-performance passenger cars. It is formulated to meet the API SN specification.

PETRONAS Syntium 7000E 0W-40 is especially designed for passenger cars, SUVs and vans using direct injection turbocharged gasoline engines and diesel engines such as in Mercedes-Benz and VW (please refer to the owner's manual). It is also suitable for vehicles running on biofuels and those equipped with fuel injectors, multi-valves or turbochargers operating under severe conditions.

Thanks to our experience in Motorsports, powering the most efficient hybrid engine, we developed PETRONAS Syntium, a complete range of lubricants, to help drivers to maximize every drop of energy.

#### **Benefits**

PETRONAS Syntium 7000E 0W-40 is engineered with °CoolTech™ technology to control the heat, providing enhanced performance and protection through:

- Ultimate protection against oil thickening caused by the oxidation of the lubricant accelerated by the use of biodiesel fuel. Thanks to its strong oil chains, which helps to maintain stable performance and maximize the efficiency of your engine for the entire drain interval.
- Ultimate resistance to engine sludge formation caused by oil degradation. Effectively controls the formation of sludge throughout the engine, ensuring every part of the engine performs at its maximum efficiency, maximizing power conversion and lowering emissions
- Ultimate protection against excessive bearing wear, preventing engine damage under high load conditions that could lead to power loss and engine failure, ensuring maximum performance throughout the engine life.
- Ultimate lubrication capability to protect against abnormal wear in the valvetrain and cylinder wall, providing vital defense against engine damage that leads to deterioration in engine performance and increase in emissions.
- Ultimate control of damaging heat to prevent turbocharger and piston deposits, which extends the life of your engine parts, maximizing engine efficiency and delivering maximum performance for longer
- Ultimate piston cleanliness performance by effectively controlling the increase in piston temperature caused by combustion leading to longer engine life and maximizing power output and fuel efficiency

## Approvals, Specifications and Recommendations

### Specifications:

- API SN
- ACEA A3/B4

### Performance Levels:

- BMW Longlife-01

### Approvals:

- MB-Approval 229.5
- VW 502.00 / 505.00
- Porsche A40
- RENAULT RN0700 / RN0710

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 and Clear
Density @15°C	ASTM D 4052	g/cm <sup>3</sup>	0,844
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	13,2
Viscosity Index	ASTM D 2270	-	179
Flash Point COC	ASTM D 92	°C	210
TBN	ASTM D 2896	mgKOH/g	10,2
CCS at -35°C	ASTM D5293	mPa·s	5780
Pour Point	ASTM D97	°C	-54

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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