



PETRONAS Syntium 7000

0W-16

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-16 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.

Turbocharged direct injection gasoline-powered engines are prone to a phenomenon called low-speed pre-ignition (LPSI). LPSI occurs when the fuel-air mixture in the engine combusts earlier than it is supposed to; bringing about excessive pressure inside the cylinders of the engine – which could damage the engine in severe cases.

PETRONAS Syntium 7000 0W-16 is specially designed to provide ultimate protection against LPSI for turbocharged direct injection gasoline-powered vehicles. It is also designed with low viscosity to provide ultimate fuel economy (please refer to the owner's manual). It is formulated with environmentally friendly low SAPS lubricant technology to meet the latest API SP and ILSAC GF-6B specifications.

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-16 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 high temperature oxidation resistance to avoid oil thickening for providing adequate oil supply to the engine and prevent car breakdown.
- Ultimate high temperature deposit control to improve drivability and for ultimate engine performance.
- Ultimate sludge prevention capability for gasoline applications to protect engines from seizing up.
- Ultimate protection for new technology turbocharged gasoline engines against catastrophic failure in some engines caused by low speed pre-ignition (LPSI).
- Outstanding protection for after treatment exhaust systems.

Approvals, Specifications and Recommendations

Specifications:

- API SP
- ILSAC GF-6B

Note: Always consult your owner's manual to check 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 ³	0.847
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	7.3
Viscosity Index	ASTM D 2270	-	163
Flash Point COC	ASTM D 92	°C	224
Sulphated Ash	ASTM D 874	%	0.6
TBN	ASTM D 2896	mgKOH/g	7.22
CCS at -35°C	ASTM D5293	mPa-s	4843
Pour Point	ASTM D97	°C	-45

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

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