Product Data Sheet
Revised: 2020/07/09 (version 2.0)

PETRONAS Syntium 7000 Hybrid 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 Hybrid 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.

Hybrid engines with start-stop systems endure more stress than normal petrol engines. The increased frequency of engine re-starts brings about increased load and stress on the valve train and the crankshaft leading to increased risk of wear. Hybrid applications also increase condensation of fuels and water vapor in the sump leading to more sludge and varnish which cause increased engine corrosion and wear compared to non-hybrid engines.

PETRONAS Syntium 7000 Hybrid 0W-20 is specially designed for petrol-electric hybrid applications and it provides ultimate protection against low-speed pre-ignition (LSPI) for turbocharged direct injection gasoline-powered vehicles. It is formulated with environmentally friendly low SAPS lubricant technology to meet the latest API SN Plus and ILSAC GF-5 specifications. The oil is also suitable for GM latest technology gasoline vehicles.

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

Approvals, Specifications and Recommendations

Specifications:
- API SN Plus
- ILSAC GF-5

Approvals:
- GM Dexos1 Gen 2

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

Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	Bright & Clear
Density @15°C	ASTM D 4052	g/cm^3	0.848
Kinematic Viscosity @100°C	ASTM D 445	mm^2/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 refers to product SDS or contact us at: www.pli-petronas.com

Important Note

Code: 70289