

## Product Data Sheet

Revised: 2020/07/09 (version 2.2)

# PETRONAS Syntium 5000 DM

## 5W-30



### 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 5000 DM 5W-30 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 5000 DM 5W-30 is formulated with environmentally friendly lubricant technology to be suitable for maintaining efficiency of the exhaust gas after treatment systems and fuel economy.

PETRONAS Syntium 5000 DM 5W-30 is especially designed for passenger cars using direct injection turbocharged gasoline engines and diesel engines such as Mercedes Benz and BMW (please refer to the owner's manual). It is also suitable for SUVs, light vans and vehicles, running on biofuels and equipped with after treatment exhaust system and emission control devices such as diesel particulate filters and catalytic converters; fuel injectors, multi-valves or turbochargers operating under severe conditions.

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 5000 DM 5W-30 is formulated with °CoolTech™ to fight excessive engine heat for optimum engine performance and to defend the engine's critical components through:

- Outstanding protection against premature wear of engine parts
- Outstanding sludge prevention capability for gasoline applications to protect engines from seizing up.
- Outstanding resistance to high temperature oxidation and oil thickening to provide adequate oil supply to the engine and prevent car breakdown.
- Exceptional protection for after treatment exhaust systems.
- Superior fuel economy performance.

#### Approvals, Specifications and Recommendations

##### Specifications:

- API SN
- ACEA C2, C3

##### Approvals:

- GM Dexos 2
- MB-Approval 229.52
- MB-Approval 229.51
- BMW Longlife-04

##### Performance Levels:

- VW 505.00/505.01

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>	0.853
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	11.8
Viscosity Index	ASTM D 2270	-	172
Flash Point COC	ASTM D 92	°C	222
Sulphated Ash	ASTM D 874	%	0.8
TBN	ASTM D 2896	mgKOH/g	7.9
CCS at -30°C	ASTM D5293	mPa-s	5600
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: 70541