

## Product Data Sheet

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# PETRONAS Syntium 3000 DM

## 5W-30



### 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 3000 DM 5W-30 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 3000 DM 5W-30 especially designed for passenger cars, SUVs and vans using direct injection turbocharged gasoline engines and diesel engines such as in Mercedes-Benz (please refer to the owner's manual). It is also suitable for vehicles running on biofuels and those equipped with after treatment exhaust system, and emission control devices such as catalytic converters; fuel injectors, multi-valves or turbochargers operating under severe conditions. PETRONAS Syntium 3000 DM 5W-30 is formulated to provide protection against low-speed pre-ignition (LSPI) for turbo charged direct injection gasoline powered vehicles and meets the latest API SP specification

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 3000 DM 5W-30 is engineered with °CoolTech™ technology to control the heat, providing enhanced performance and protection through:

- Exceptional resistance to oil degradation. Effectively controls sludge throughout the engine, ensuring every part of the engine performs at its maximum efficiency, for higher power conversion and lower emissions.
- Exceptional lubrication capability to protect against abnormal wear in the valvetrain, cylinder wall and timing chain providing vital defense against engine damage that leads to deterioration in engine performance and increase in emissions.
- Exceptional control of damaging heat to prevent turbocharger and piston deposits, to extend the life of your engine parts, maximising engine efficiency and delivering maximum performance for longer

#### Approvals, Specifications and Recommendations

##### Specifications:

- API SP
- ACEA A3/B4

##### Approvals:

- MB-Approval 229.5
- BMW LL-01
- Renault RN 0700/0710

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
<b>Appearance</b>	-	-	Bright and Clear
<b>Density @15°C</b>	ASTM D 4052	g/cm <sup>3</sup>	
<b>Kinematic Viscosity @100°C</b>	ASTM D 445	mm <sup>2</sup> /s (cSt)	
<b>Viscosity Index</b>	ASTM D 2270	-	
<b>Flash Point COC</b>	ASTM D 92	°C	
<b>Sulphated Ash</b>	ASTM D 874	%	
<b>TBN</b>	ASTM D 2896	mgKOH/g	
<b>CCS at -30°C</b>	ASTM D5293	mPa·s	
<b>Pour Point</b>	ASTM D97	°C	

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](http://www.pli-petronas.com)

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