



# PETRONAS Syntium 3000 E 0W-20

## 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 E 0W-20 is a fully synthetic lubricant formulated 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 E 0W-20 is especially designed for all passenger cars using direct injection turbocharged gasoline engines and diesel engines. 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.

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 E 0W-20 is engineered with °CoolTech™ technology to control the damaging heat, providing enhanced performance and protection through:

- Exceptional resistance to oxidation or oil degradation - effectively controls sludge throughout the engine, reducing wear and ensuring every part of the engine performs at its maximum efficiency, for higher power conversion and lower emissions.
- Superior lubrication capability to protect against bearing and valvetrain wear and timing chain elongation which could lead to power loss and increased emissions. This protection ensures maximum performance and longer engine life.
- Enhanced control of engine-damaging heat to prevent deposits formation, extend engine parts life and maximize engine efficiency, delivering optimum performance for longer.

### Approvals, Specifications and Recommendations

PETRONAS Syntium 3000 E 0W-20 is a high-quality engine oil that meets and exceeds below performances:

#### Specifications:

- API SN+

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
<b>Appearance</b>	-	-	Bright & Clear
<b>Density 15°C</b>	ASTM D 4052	g/cm <sup>3</sup>	0.848
<b>Kinematic Viscosity @100°C</b>	ASTM D 445	mm <sup>2</sup> /s (cSt)	8.4
<b>Viscosity Index</b>	ASTM D 2270	-	170
<b>Flash Point C.O.C</b>	ASTM D 92	°C	220
<b>Sulphated Ash</b>	ASTM D 874	%	0.6
<b>TBN</b>	ASTM D 2896	mgKOH/g	7.2
<b>CCN @ -35°C</b>	ASTM D5293	mPa*s	5162
<b>Pour Point</b>	ASTM D 97	°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 refers to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

### Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The PLI Documents and the information contains herein is believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence, or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.

Code: 70802