



# **PETRONAS Syntium 7000 AV**

## **0W-20**

**Developed with °CoolTech+™ technology to maximize the efficiency and power output of most modern engines**

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 7000 AV 0W-20 is a fully synthetic lubricant formulated with °CoolTech+™ at the cutting edge of our fluid technology. Its enhanced heat controlling ability protects the engine and maximizes its efficiency and power output – reducing fuel consumption and emissions.

PETRONAS Syntium 7000 AV 0W-20 provides outstanding fuel economy and meets the demanding requirements of modern, high-performance passenger cars. It is formulated with environmentally friendly low SAPS lubricant technology for maximum compatibility with exhaust gas after treatment systems and to ensure their optimum efficiency is maintained throughout the life of the vehicle.

PETRONAS Syntium 7000 AV 0W-20 is especially designed for passenger cars, SUVs and vans using direct injection turbocharged gasoline engines and diesel engines such as in Volkswagen or Porsche (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 diesel particulate filters and 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 7000 AV 0W-20 is engineered with °CoolTech+™ technology to maximize the efficiency and power output of the most modern engines through:

- Ultimate heat management capability to protect the engine from damaging heat and provide optimum lubrication at extremely low temperatures, maximising engine efficiency and power output – reducing fuel consumption and emissions
- Ultimate protection against oil thickening caused by the oxidation of the lubricant accelerated by the use of biodiesel fuel. Thanks to its strong oil chains, which helps to maintain stable performance and maximize the efficiency of your engine for the entire drain interval.
- Ultimate resistance to engine sludge formation caused by oil degradation. Effectively controls the formation of sludge throughout the engine, ensuring every part of the engine performs at its maximum efficiency, maximizing power conversion and lowering emissions.
- Ultimate lubrication capability to protect against abnormal wear in the valvetrain and cylinder wall, providing vital defense against engine damage that leads to deterioration in engine performance and increase in emissions.
- Ultimate control of damaging heat to prevent turbocharger and piston deposits, which extends the life of your engine parts, maximizing engine efficiency and delivering maximum performance for longer
- Ultimate piston cleanliness performance by effectively controlling the increase in piston temperature caused by combustion leading to longer engine life and maximizing power output and fuel efficiency

## Approvals, Specifications and Recommendations

### Specifications:

- API SN+
- ACEA C5

### Approvals:

- VW 508.00/509.00
- Porsche C20

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 and Clear
Density @15°C	ASTM D 4052	g/cm <sup>3</sup>	0.843
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	8.129
Viscosity Index	ASTM D 2270	-	177
Flash Point COC	ASTM D 92	°C	224
Sulphated Ash	ASTM D 874	%	0.8
TBN	ASTM D 2896	mgKOH/g	9.8
CCS at -35°C	ASTM D 5293	mPa·s	5366
Pour Point	ASTM D 97	°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)

### 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 contained 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 be 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 tortious 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: 70410