

Product Data Sheet

Revised: 2025/12/09 (version 1.0)



PETRONAS Syntium Supreme

DM 5W-30

Developed with °CoolTech™ technology to control engine-damaging heat

Born from the world's most demanding races, PETRONAS Syntium stands for reliable excellence, empowering mechanics and drivers with advanced solutions crafted from racing-grade technology and designed for real-world needs. From our Syntium Prime to Supreme: every oil is engineered to deliver performance that lasts with consistent protection and reliable efficiency over time.

Description and Applications

PETRONAS Syntium Supreme DM 5W-30 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 Supreme DM 5W-30 is especially designed for passenger cars using direct injection turbocharged gasoline engines and diesel engines such as Mercedes Benz (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.

PETRONAS Syntium's engine oils empower everyday champions with advanced and accessible solutions, crafted from racing-grade technology and designed for real-world needs.

Benefits

PETRONAS Syntium Supreme DM 5W-30 is engineered with CoolTech™ technology to control the damaging heat, providing enhanced performance and protection through:

- Ultimate ability to maintain oil thickness and reduce engine wear. To prevent deterioration in performance or serious engine failure.
- Ultimate ability to protect against oil oxidation and thickening - To maintain lubricant performance throughout the drain interval.
- Ultimate ability to effectively control against oil degradation. To ensure maximum efficiency.
- Ultimate ability to effectively control against sludge build up. To ensure maximum power & efficiency from the engine.

Approvals, Specifications and Recommendations

Specifications:

- API SQ
- ACEA C2, C3
- ILSAC GF-6A

Approvals:

- MB-Approval 229.51; MB-Approval 229.52
- FCA 9.55535-S1 (perf)
- FORD WSS-M2C961-A (perf)

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

[\[Open\]](#)

Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	
Density @15°C	ASTM D 4052	g/cm ³	0.8515
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	12.00
Viscosity Index	ASTM D 2270	-	168
Flash Point COC	ASTM D 92	°C	228
Sulphated Ash	ASTM D 874	%	0.6
TBN	ASTM D 2896	mgKOH/g	6.6
CCS at -30°C	ASTM D5293	mPa·s	5653
Pour Point	ASTM D97	°C	-39

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

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: 71258