

PERFORMA SUPER SYNTHETIC

SAE 0W-20

Product Description

The premium fully synthetic motor oil specially designed for modern high performances engine with gasoline direct injection (GDI and Turbo-GDI) systems, including engine equipped with a gasoline particulate filter (GPF). Developed by **EVOTEC Technology** platform with **SMART Molecules** ensures maximum engine protection and prevent low-speed pre-ignition (LSPI) throughout oil service life. Outstanding in low friction oil film in order to maximize fuel economy and drivability in all conditions.

Benefits

- Developed by EVOTEC Technology to deliver 3E benefit for better engine in Environment, Endurance and Efficiency.
- Enhance engine cleanliness and prevent LSPI throughout oil service life in Turbo-GDI engine by SMART Molecules.
- Outstanding in low friction oil film to maximize fuel economy and drivability.
- Excellent resistance in oil degradation sludge formation for prolonging oil life.
- Compatible with Catalyst to minimize emission and carbon dioxide (CO₂) for better environment.

Applications

- Designed for clean and modern gasoline engine equipped with GPF
- Recommended for high performance gasoline engine both GDI / Turbo-GDI.
- Suitable for all port fuel injection (PFI) gasoline engines running with unleaded gasoline (ULG) and ethanol blended gasoline (E10, E20 and E85) which SAE 0W-20 is required.

The Moving Innovation 

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Typical Characteristics

Test	Method	Units	Results 0W-20
Density at 15 °C	ASTM D 4052	g/cm ³	0.8461
Kinematic Viscosity at 40 °C	ASTM D 445	mm ² /s	45.56
Kinematic Viscosity at 100 °C	ASTM D 445	mm ² /s	8.6
Viscosity Index	ASTM D 2270	-	170
MRV with No Yield Stress at -40 °C	ASTM D 4684	mPa·s	22,700
Cold-cranking Simulator at -35 °C	ASTM D 5293	mPa·s	5,370
Flash Point (COC)	ASTM D 92	°C	234
Pour Point	ASTM D 5950	°C	-45
Sulfated Ash	ASTM D874	wt. %	0.85

Performance Standards

- API SQ
- API SP
- ILSAC GF-7A

Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.