

# PERFORMA SUPER SYNTHETIC

SAE 0W-20 / 0W-30

## Product Description

The ultra-premium fully synthetic motor oil specially designed for modern high performance engine with gasoline direct injection (GDI and Turbo-GDI) systems. Developed by latest evolution technology platform **EVOTEC** fortified with **SMART Molecules** that improve engine cleanliness and prevent low-speed pre-ignition (LSPI). Outstanding low friction and optimum film-strength enhance acceleration response and wear prevention to maximize drivability in all situations.

## Benefits

- Enhance excellent engine cleanliness especially in piston and help reduce LSPI occurrence in Turbo-GDI engine by **SMART Molecules**.
- Improve superb engine protection against wear and prevent timing chain elongation for maintaining maximum engine performance.
- Outstanding low oil friction with optimum film-strength by **EVOTEC technology** for superior acceleration responsiveness and fuel economy.
- Help to reduce exhaust gas and carbon dioxide (CO<sub>2</sub>) emission for better environment.
- Better oil degradation resistance and engine sludge prevention through extended oil drain intervals.

## Applications

- Designed for high performance gasoline engine both GDI / Turbo-GDI and engine of hybrid vehicle.
- Recommended for modern passenger car, sport car and SUV equipped with start-stop system.
- Suitable for all port fuel injection (PFI) gasoline engines running with unleaded gasoline (ULG) and ethanol blended gasoline (E10, E20 and E85).

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## Typical Characteristics

Test	Method	Units	Results	
			0W-20	0W-30
SAE Viscosity Grade				
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.847	0.845
Kinematic Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	48.0	62.9
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	8.9	11
Viscosity Index	ASTM D 2270	-	167	175
MRV with No Yield Stress at -40 °C	ASTM D 4684	mPa·s	22,600	19,200
Cold-cranking Simulator at -35 °C	ASTM D 5293	mPa·s	5,460	5,810
Flash Point (COC)	ASTM D 92	°C	226	228
Pour Point	ASTM D 5950	°C	-45	-45
Sulfated Ash	ASTM D874	wt. %	0.9	0.9

## Performance Standards

	<u>0W-20</u>	<u>0W-30</u>
• API SP	✓	✓
• ILSAC GF-6A	✓	✓

## 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.

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