

PERFORMA SYNTHETIC ECO CAR

SAE 0W-20

Product Description

The premium fully synthetic motor oil designed for ECO CAR with both turbocharged gasoline direct injection (GDI and Turbo-GDI) and port fuel injection (PFI) systems. Developed by latest evolution technology platform **EVOTEC** fortified with **SMART Molecules** that improve engine cleanliness and prevent low-speed pre-ignition (LSPI). Outstanding extra-low friction enhance superb fuel economy for better drivability in both urban traffic and suburb area with long distance.

Benefits

- Extra-low oil friction by *EVOTEC technology* for maximum fuel economy improvement and better drivability.
- Help to reduce exhaust gas and carbon dioxide (CO₂) emission for better environment.
- 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.
- Better oil degradation resistance and engine sludge prevention through extended oil drain intervals.

Applications

- Designed for all ECO CAR models equipped with both GDI / Turbo-GDI and PFI engines
- Support for 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 |
|------------------------------------|-------------|--------------------|------------------|
| Density at 15 °C | ASTM D 4052 | g/cm ³ | 0.847 |
| Kinematic Viscosity at 40 °C | ASTM D 445 | mm ² /s | 47.2 |
| Kinematic Viscosity at 100 °C | ASTM D 445 | mm ² /s | 8.82 |
| Viscosity Index | ASTM D 2270 | - | 169 |
| MRV with No Yield Stress at -40 °C | ASTM D 4684 | mPa·s | 21,000 |
| Cold-cranking Simulator at -35 °C | ASTM D 5293 | mPa·s | 5,540 |
| Flash Point (COC) | ASTM D 92 | °C | 226 |
| Pour Point | ASTM D 5950 | °C | -45 |

Performance Standards

- 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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