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# HPURE NITRON ECO1

## Product Description

**Fully Synthetic high performance passenger car motor oil (PCMO) with standards of API SQ and ILSAC GF-7 that is developed to address the critical needs of newer vehicles in engine technology developments, including turbocharged gasoline direct injection (TGDI) engines.**

API SQ is a new category approach with a greater contribution to fuel economy and engine protection. Improved lubricant robustness assists in piston cleanliness and better fuel efficiency while maintaining sludge as well as wear control. The newest engine oil performance standard ILSAC GF-7 also aims to combat problems with low-speed pre-ignition (LSPI), a common issue with turbocharged engines.

## Applications / Benefits

- Low-speed pre-ignition (LSPI) and timing chain wear protection
- Greater fuel economy and fuel efficiency
- Enhanced overall engine cleanliness
- Protects against engine wear

## Typical Characteristics

| Test Description | Method | Unit | | | | |
|---|---|---|---|---|---|---|
| SAE Viscosity Grade | SAE J 300 | - | **0W16** | **0W20** | **0W30** | **5W20** |
| Density @ 15 ºC | ASTM D 4052 | kg/L | 0.849 | 0.848 | 0.849 | 0.852 |
| Flash Point | ASTM D 92 | ºC | 210 | 214 | 216 | 218 |
| Pour Point | ASTM D 97 | ºC | -42 | -42 | -42 | -39 |
| Kinematic Viscosity @ 40ºC | ASTM D 445 | cSt | 36.0 | 45.4 | 58.2 | 47.8 |
| Kinematic Viscosity @ 100ºC | ASTM D 445 | cSt | 7.2 | 8.9 | 11.0 | 8.8 |
| Viscosity Index | ASTM D 2270 | - | 168 | 180 | 185 | 165 |
| TBN | ASTM D 2896 | mgKOH/g | 7.2 | 7.2 | 7.2 | 7.2 |

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## Typical Characteristics

| Test Description | Method | Unit | |
|---|---|---|---|
| SAE Viscosity Grade | SAE J 300 | Unit | **5W30** |
| Density @ 15 ºC | ASTM D 4052 | - | 0.854 |
| Flash Point | ASTM D 92 | - | 220 |
| Pour Point | ASTM D 97 | kg/L | -39 |
| Kinematic Viscosity @ 40ºC | ASTM D 445 | ºC | 64.8 |
| Kinematic Viscosity @ 100ºC | ASTM D 445 | ºC | 11.5 |
| Viscosity Index | ASTM D 2270 | cSt | 173 |
| TBN | ASTM D 2896 | cSt | 7.2 |

## Specifications, Approvals & Recommendations

- API SQ-RC
- ILSAC GF-7A IN SAE 0W20, 0W30, 5W20, 5W30, 10W30
- ILSAC GF-7B IN SAE 0W16
- FORD WSS-M2C960-A1 in SAE 5W20
- FORD WSS-M2C961-A1 in SAE 5W30
- FORD WSS-M2C962-A1 in SAE 0W20
- FORD WSS-M2C963-A1 in SAE 0W30

Reference No.
5157G3SQGF7REV1

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