TECHNICAL DATA SHEET

# Ultimate High Performance

## Premium Full Synthetic Motor Oil with Synerlec®

### Product Description

Royal Purple® Ultimate High Performance is a fully synthetic motor oil engineered to remove sludge and deposit buildup, reduce engine wear, and provide long-term engine protection in gasoline or light duty diesel vehicles. Whether you want to preserve the factory-fresh cleanliness and performance of a new vehicle or help rejuvenate a high-mileage vehicle for continued peak operation, Royal Purple Ultimate High Performance delivers the right combination of additives and ingredients for any vehicle.

Formulated with premium synthetic base oils and best-in-class Synerlec additive technology, it delivers industry-leading protection and long-term engine cleanliness to help maximize engine durability over the life of the vehicle. Licensed to API SQ, ILSAC GF-7A, GM dexos1™ Gen 3, GM Dexos D™, ACEA C2/C5, while also meeting a wide range of manufacturer specifications, Royal Purple Ultimate High Performance is designed as a comprehensive lubricant solution for virtually any gasoline passenger vehicle. Whether driving a U.S., European, or Asian-built car, SUV, light truck, or van, motorists can count on Royal Purple Ultimate High Performance to safeguard their engine with exceptional wear protection, outstanding cleanliness, and long-lasting reliability. Recommended for use in both modern and older gasoline-powered or light duty diesel vehicles, it is engineered to provide exceptional protection across a broad range of engine technologies, including gasoline direct injection (GDI), port fuel injection (PFI), turbocharged, naturally aspirated, and hybrid powertrain applications.

Choose **Royal Purple High Performance** for advanced synthetic technology that cleans away harmful sludge and deposits, minimizes engine wear, and provides peace of mind in vehicles of any age or mileage.

### FEATURES AND BENEFITS

- REMOVES ENGINE SLUDGE & DEPOSITS – Advanced detergents remove harmful deposits and sludge
- REDUCES ENGINE WEAR – Synerlec additive technology ensures maximum wear protection & durability
- PROVIDES LONG TERM PROTECTION – Preserve a new engine or rejuvenate your high mileage vehicle
- UNIVERSAL APPLICABILITY – Formulated for new and high-mileage North American, European, and Asian vehicles.
- INDUSTRY & OEM APPROVED – Licensed to API SQ, ILSAC GF-7A, GM dexos1™ Gen 3, GM Dexos D™, ACEA C2/C5, and meets a wide range of manufacturer specifications

**Distributed By:**
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Technical Services: 888-382-6300
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## PRODUCT DATA

| Typical Properties - ROYAL PURPLE ULTIMATE HIGH PERFORMANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Property | Test Method | 0W-8 | 0W-16 | 0W-20 | 5W-20 | 5W-30 | 10W-30 | 10W-40 | 20W-50 | 10W-60 |
| KV40, cSt | ASTM D445 | | | | | | | | | |
| KV100, cSt | ASTM D445 | | | | | | | | | |
| Viscosity Index | ASTM D2270 | | | | | | | | | |
| Cold Crank Simulator, cP | ASTM D5293 | | | | | | | | | |
| HTHS @ 150° C, cP | ASTM D5481 | | | | | | | | | |
| Pour Point, C | ASTM D97 | | | | | | | | | |
| Flash Point, F | ASTM D92 | | | | | | | | | |
| Density @ 15° C, g/mL | ASTM D4052 | | | | | | | | | |

| Specifications & Approvals - ROYAL PURPLE ULTIMATE HIGH PERFORMANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Property | 0W-8 | 0W-16 | 0W-20 | 0W-30 | 5W-20 | 5W-30 | 10W-30 | 10W-40 | 20W-50 | 10W-60 |
| API SQ | • | X | X | • | X | X | X | • | • | • |
| ILSAC GF7-A | • | | • | • | X | X | X | | | |
| ILSAC GF7-B | | • | | | | | | | | |
| Dexos$^{tm}$ 1 Gen 3 | | | • | | | X | | | | |
| Dexos$^{tm}$ D | | | X | | | • | | | | |
| ACEA C5 | | | • | | | | | | | |
| ACEA C2 | | | | | | • | | | | |

X - Formally Licensed
• - Meets Requirements but not formally licensed

## HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) www.royalpurple.com

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