

# PennGrade Select™



## Product Description

**PennGrade Select™** is a premium full synthetic gasoline motor oil formulated to meet or exceed the requirements of today's toughest standards. **PennGrade Select™** is made with a blend of high-performance synthetic base oils that are enhanced with a synergistic additive system. **PennGrade Select™** is formulated with the proper balance of detergent systems, antioxidants and dispersants to minimize harmful deposits and sludge, ensuring proper engine performance throughout the life of the oil. **PennGrade Select™** has improved compatibility with ethanol containing fuels and offers exceptional protection for catalytic emission systems. **PennGrade Select™** protects against timing chain wear and Low Speed Pre-Ignition (LSPI) found in gasoline direct injection engines.

## Product Features and Benefits

GM Approved dexos1™ Gen 2 for 0W-20 and 5W-30 grades.

LSPI (Low Speed Pre-Ignition) prevention technology.

Outstanding thermal and oxidation stability delivers excellent performance during the maximum oil change interval recommended by the engine manufacturer.

Enhanced cleanliness protects against harmful sludge build-up and piston deposits.

Excellent low temperatures capabilities help aide in ultra-fast cold weather start-up protection.

Advanced additive Technology reduces turbocharger coking on newer gasoline direct injection (GDI) engines.



## Typical Applications

**PennGrade Select™** is fully licensed in all of the following viscosity grades and specifications:

| Specifications:                 | 0W-20 | 5W-30 |
|---------------------------------|-------|-------|
| API SN PLUS                     | X     | X     |
| API SN                          | X     | X     |
| ILSAC GF-5, Resource Conserving | X     | X     |
| dexos1™ Gen 2                   | X     | X     |

## Typical Properties

**PennGrade Select™** is formulated to meet typical properties listed below:

| SAE Viscosity Grade                      | J300                   | 0W-20         | 5W-30          |
|--|------------------------|---------------|----------------|
| dexos1™ Gen 2 license number             |                        | D10464HH128   | D10399HG128    |
| Viscosity<br>@ 100°C, cSt<br>@ 40°C, cSt | ASTM D445<br>ASTM D445 | 8.49<br>44.18 | 10.96<br>60.75 |
| Viscosity Index                          | ASTM D2270             | 173           | 174            |
| Pour Point, °F (°C)                      | ASTM D97               | -54 (-48)     | -60 (-51)      |
| Flash Point, °F (°C)                     | ASTM D92               | 437 (225)     | 446 (230)      |
| Sulfated Ash, Weight %                   | ASTM D874              | 0.9           | 0.9            |
| Specific Gravity @ 60°F                  | ASTM D4052             | 0.8426        | 0.8456         |
| CCS @ -35°C, cP                          | ASTM D5293             | 5030          | -----          |
| CCS @ -30°C, cP                          | ASTM D5293             | -----         | 3605           |

### D-A Part Number:

|                      |       |       |
|----------------------|-------|-------|
| Bulk                 | 61521 | 61511 |
| Tote – 330 Gal       | 61523 | 61513 |
| Drum – 55 Gal        | 61522 | 61512 |
| Bag-in-a-box – 6 Gal | 61525 | 61515 |
| Case – 4/1 Gal       | 61524 | 61514 |
| Case – 12/1 Qt       | 61526 | 61516 |

