

# 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

| Specifications: | 0W-20 | 5W-30 |
|-----------------|-------|-------|
| API SN Plus     | X     | X     |
| API SN          | X     | X     |
| ILSAC GF-5      | X     | X     |
| dexos1™ Gen 2   | X     | X     |

## Typical Properties

PennGrade Select is formulated to meet typical properties listed below

| SAE Viscosity Grade          | J 300      | 0W-20       | 5W-30       |
|------------------------------|------------|-------------|-------------|
| dexos1™ Gen 2 license number |            | D10464HH128 | D10399HG128 |
| Viscosity<br>@ 100°C, cSt    | ASTM D445  | 8.4         | 10.4        |
| @ 40°C, cSt                  | ASTM D445  | 44.6        | 59.9        |
| Viscosity Index              | ASTM D2270 | 167         | 163         |
| Flash Point, °F (°C)         | ASTM D92   | 432 (222)   | 450 (232)   |
| Sulfated Ash, Weight %       | ASTM D874  | 0.8         | 0.9         |
| Specific Gravity @ 60°F      | ASTM D1298 | 7.059       | 7.093       |
| Density, lbs/gal             | ASTM D1298 | 0.8478      | 0.8519      |
| CCS @ -35°C, cP              | ASTM D5293 | 5270        | -----       |
| CCS @ -30°C, cP              | ASTM D5293 | -----       | 5430        |
| MRV Viscosity @ -40°C, cP    | ASTM D4684 | 19600       | -----       |
| MRV Viscosity @ -35°C, cP    | ASTM D4684 | -----       | 27000       |

### D-A Part Number:

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