

PennGrade® Euro



Product Description

PennGrade® Euro Full Synthetic Motor Oil has been formulated with the latest high-tech additive technology and premium quality synthetic base oils. It is designed to meet the toughest demands of today's automotive engine technology, offering exceptional protection and performance for today's engines.

PennGrade® Euro Full Synthetic Motor Oil has been designed to offer the highest levels of performance, engine cleanliness and protection while supporting the performance requirements of API SN. The product has been designed to ensure quick cold weather start-up while protecting vital engine parts, and to provide exceptional protection against wear in high temperature/high stress applications. **PennGrade® Euro Full Synthetic Motor Oil** provides excellent resistance to viscosity breakdown and foaming in modern engines.

Product Features and Benefits

Full Synthetic formulation helps increase engine life by maintain oil flow at both high and low temperatures.

Provides outstanding viscosity stability, superior engine cleaning power, deposit control, and wear protection.

Combination of synthetic base stocks and unique additives ensures excellent thermal and oxidation stability and outstanding performance during maximum recommend oil drain intervals.

Excellent low temperature characteristics permit quick engine starting in cold weather and promptly deliver oil to vital metal parts maximizing engine life.

Anti-foam agents permit higher oil pressure for greater protection.



Typical Applications

PennGrade® Euro Full Synthetic Motor Oil supports the performance for the following specifications:

Specifications

PG Euro 5W30

Meets the Performance Requirements of:

ACEA A3/B4-12, A3/B4-16
 ACEA A5/B5-12, A5/B5-16
 API CF
 API SN, SM, SL
 BMW LL-01
 Ford WSS-M2C913-D
 Jaguar Land Rover ST JLR.03.5003
 MB 226.5, 229.3, 229.5
 Opel GM-LL-A-025, GM-LL-B-025
 Porsche A40
 PSA Peugeot Citroën B712296
 Renault RN0700, RN0710
 Volvo Car 95200377
 VW 502.00, 505.00

PG Euro 5W40

Meets the Performance Requirements of:

ACEA A3/B4-12, A3/B4-16
 ACEA A5/B5-12, A5/B5-16
 API CF
 API SN, SM, SL
 BMW LL-01
 Ford WSS-M2C913-D
 Jaguar Land Rover ST JLR.03.5003
 MB 226.5, 229.3, 229.5
 Opel GM-LL-A-025, GM-LL-B-025
 Porsche A40
 PSA Peugeot Citroën B712296
 Renault RN0700, RN0710
 Volvo Car 95200377
 VW 502.00, 505.00

Typical Properties

| SAE Viscosity Grade | Test Method | 5W-30 | 5W-40 |
|----------------------------|-------------|-----------|-----------|
| Viscosity @ 100°C, cSt | ASTM D445 | 12 | 14.2 |
| @ 40°C, cSt | ASTM D445 | 70.1 | 83.6 |
| Viscosity Index | ASTM D2270 | 168 | 177 |
| Pour Point, °F (°C) | ASTM D97 | -51 (-46) | -44 (-42) |
| Flash Point, °F (°C) | ASTM D92 | 420 (215) | 420 (215) |
| Sulfated Ash, Weight % | ASTM D874 | 1.3 | 1.3 |
| CCS @ -30°C, cP | ASTM D5293 | 6200 | 6200 |
| HTHS Viscosity, cP @ 150°C | ASTM D4683 | 3.6 | 3.75 |
| Total Base Number | ASTM D2896 | 11 | 10 |

D-A Part Number:

| | | |
|----------------------|-------|-------|
| Bulk | 61301 | 61311 |
| Tote – 330 Gal | N/A | 61313 |
| Drum – 55 Gal | 61302 | 61312 |
| Bag-in-a-box – 6 Gal | N/A | 61315 |
| Case – 12/1 Qt | N/A | 61316 |

