

# PennGrade® Euro Elite



## Product Description

**PennGrade® Euro Elite Full Synthetic Motor Oil** are full synthetic motor oil formulations specifically designed to satisfy domestic / European emissions, OEM (Original Equipment Manufacturer) and ACEA (European Automobile Manufacturers Association) requirements. They meet ACEA C3-08 / API SM standards and are available in two viscosity grades (5W-30 and 5W-40) typically recommended for today's modern European vehicles. Each is recommended as suitable for use in popular European models including BMW, Mercedes-Benz, Volkswagen and others. **PennGrade® Euro Elite Motor Oils** are the perfect complement to the existing PennGrade® Euro Motor Oils meeting ACEA A3/B4-2012 / API SN.

**PennGrade® Euro Elite Full Synthetic Motor Oil** employ a combination of synthetic base oils and advanced additive technology to meet or exceed the stringent performance demands of late model European gasoline and light duty diesel engines. It is formulated to provide superior fuel economy and wear protection, outstanding thermal and oxidation stability, emissions system (catalytic converter, DPF (Diesel Particulate Filter)). O<sub>2</sub> Sensor efficiency and excellent low temperature fluidity and component protection at start-up. Additionally, its full synthetic base promotes extended drain intervals while its proven additive system makes it suitable in turbocharged systems. It meets requirements of API SM / CF.

## Product Features and Benefits

Full Synthetic formulation.

Tailored for **late model European gasoline and light diesel engines** (medium SAPS).

Excellent low temperature fluidity and protection at start-up.

Outstanding thermal and oxidation stability.

Suitable for emissions (catalytic converter, DPF) and turbocharged systems.

Promotes extended drain intervals.

Superior engine cleanliness, deposit control and wear protection.

Exceptional fuel economy benefits.



## Typical Applications

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

Specifications:	5W-30	5W-40
ACEA C3-08, C2-08	✓	✓
API CF	✓	✓
API SM	✓	✓
BMW LL-04	✓	✓
MB 229.51	✓	✓
VW 502.00, 505.00, 505.01	✓	✓

## Typical Properties

SAE Viscosity Grade	J300	5W-30	5W-40
Viscosity @ 100°C, cSt	ASTM D445	12.2	13
@ 40°C, cSt	ASTM D445	70.8	75.8
Viscosity Index	ASTM D2270	171	174
Pour Point, °F (°C)	ASTM D97	-51 (-46)	-44 (-42)
Flash Point, °F (°C)	ASTM D92	482 (250)	491 (255)
Sulfated Ash, Weight %	ASTM D874	0.8	0.8
CCS @ -30°C, cP	ASTM D5293	6300	6300
HTHS Viscosity, cP @ 150°C	ASTM D4683	3.5	3.6
Total Base Number	ASTM D2896	7	7

### D-A Part Number:

Bulk	61351	61361
Tote – 330 Gal	61353	61363
Bag-in-a-box – 6 Gal	61355	61365
Case – 12/1 Qt	61356	61366

