

PennGrade® Synthetic Blend



Product Description

PennGrade® Synthetic Blend Motor Oils are formulated with premium base oils and the latest high-performance additive technology for gasoline engines. **PennGrade® Synthetic Blend Motor Oil** delivers a powerful combination of world class durability and industry leading fuel economy to maintain peak performance of your engine. It is designed to meet or exceed the toughest demands of new and later model gasoline engines. **PennGrade® Synthetic Blend Motor Oils** prevent lubricant starvation during cold temperature start-ups by providing improved compatibility with ethanol containing fuels. The high-tech anti-wear technology offers incredible valve train wear protection and it helps lengthen the life of catalytic emission systems. **PennGrade® Synthetic Blend Motor Oil** offers outstanding protection against harmful engine deposits and high temperature thermal breakdown.

Products Features and Benefits

- API Licensed for service category SN PLUS / SN / ILSAC GF-5 (SAE 5W-20, 5W-30 and 10W-30).
- Provides protection for turbocharged and gasoline direct injection engines.
- LSPI (Low Speed Pre-Ignition) prevention technology.
- Improves fuel efficiency in new and late model gasoline engines.
- Balanced detergent and dispersant system minimize deposits and sludge.
- Synthetic base oils help protect against harmful effects of cold temperature start-ups.



Typical Applications

PennGrade® Synthetic Blend is fully licensed in all of the following viscosity grades and specifications:

Specifications

PG Syn Blend 5W-20

API Approvals

API SN Plus

API SN

ILSAC GF-5, Resource Conserving

Meets the Performance Requirements Of:

Ford WSS-M2C945-A

Ford WSS-M2C945-B1

PG Syn Blend 5W-30

API Approvals

API SN Plus

API SN

ILSAC GF-5, Resource Conserving

Meets the Performance Requirements Of:

Ford WSS-M2C946-A

Ford WSS-M2C946-B1

PG Syn Blend 10W-30

API Approvals

API SN Plus

API SN

ILSAC GF-5, Resource Conserving

Typical Properties

PennGrade® Synthetic Blend is formulated to meet typical properties listed below:

SAE Viscosity Grade	J300	5W-20	5W-30	10W-30
Viscosity @ 100°C, cSt	ASTM D445	8.7	10.2	10.1
@ 40°C, cSt	ASTM D445	50.2	60.7	64.2
Viscosity Index	ASTM D2270	152	157	143
Pour Point, °F (°C)	ASTM D97	-57 (-49)	-54 (-48)	-38 (-39)
Flash Point, °F (°C)	ASTM D92	410 (210)	430 (221)	459 (237)
Sulfated Ash, Weight %	ASTM D874	0.81	0.78	0.84
Specific Gravity @ 60°F	ASTM D4052	0.8577	0.8588	0.8624
CCS @ -30°C, cP	ASTM D5293	4976	5557	-----
CCS @ -25°C, cP	ASTM D5293	-----	-----	5163

D-A Part Number:

Bulk	62711	62721	62731
Tote – 330 Gal	62713	62723	62733
Drum – 55 Gal	62712	62722	62732
Bag-in-a-box – 6 Gal	62715	62725	62735
Case – 4/1 Gal	N/A	62724	62734
Case – 12/1 Qt	62716	62726	62736

