

Signature® Syn-Blend Motor Oil

Product Data Sheet



Product Description: Signature® Motor Oil SAE 5W-20, 5W-30, 10W-30 is a premium automotive motor oil that protects against deposit and sludge formation and provides excellent wear protection to critical engine parts.

Benefits: Signature® Syn-Blend Motor Oil SAE 5W-20, 5W-30, 10W-30 delivers value through:

- Excellent antiwear protection
- Protection against thermal breakdown
- Clean engines and positive crankcase ventilation systems resulting in minimal deposits under heavy load and stop-and-go driving conditions.
- Meets or exceeds warranty requirements of car and light truck manufacturers relying on an API SN Plus, SM, SL or SJ service category motor oil.
- Energy Savings — API Resource Conserving designation for SAE 5W-20, 5W-30 and 10W-30 grades

Features: Signature® Syn-Blend Motor Oil SAE 5W-20, 5W-30, 10W-30 are premium quality automotive engine oils.

All grades are formulated with high quality base stocks, and robust additive packages including shear-stable viscosity index improvers, detergents, dispersants, anti-wear agents, corrosion inhibitors, antioxidants, and foam inhibitors.

Their anti-wear additives provide excellent wear protection of critical engine parts.

A high level of dispersancy protects against deposit and sludge formation in stop-and-go driving, sustained high temperature operation, and protects against corrosion.

Their excellent high temperature oxidation stability helps prevent viscosity increase and oil gelling in the crankcase. They help keep PCV systems clean to maintain smooth engine performance.

Applications: Signature® Syn-Blend Motor Oil SAE 5W-20, 5W-30, 10W-30 are suitable for use in four-stroke gasoline engines used in passenger cars, light trucks, powerboats, motorcycles, and other mobile and stationary equipment. They are excellent for high-revving engines in small cars and light trucks. All grades are suitable for use in turbocharged engines. They may also be suitable for use in natural gas engines in small cars and light trucks after consulting with the appropriate original equipment manufacturer's lubrication recommendations.

SAE 5W-20: provides optimum fuel economy and durable performance. This synthetic blend engine oil, carrying the API Resource Conserving designation, is suitable for use in domestic and import passenger cars, trucks and SUVs specifying this viscosity grade.

SAE 5W-30: is recommended by the majority of later model domestic and import passenger cars, trucks and SUVs under a wider variety of weather conditions. This synthetic blend engine oil provides excellent cold weather performance and carries the API Resource Conserving designation.

SAE 10W-30: is suitable for use in many older vehicles and a few late model cars and trucks, often those with larger 6-cylinder and V-8 and/or high-performance engines. SAE 10W-30 is also designated as a Resource Conserving lubricant by API.

Product (s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

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Signature® Syn-Blend Motor Oil SAE 5W-20, 5W-30, 10W-30 meets:

- API Service Categories
 - SN PLUS
 - SM, SL, SJ and all previous API “S” categories
 - Resource Conserving for API SN PLUS (SAE 5W-20, 5W-30, 10W-30)
 - ILSAC GF-5 (SAE 5W-20, 5W-30, 10W-30)
- Manufacturers’ performance requirements
 - FCA US LLC (formerly known as Chrysler Group LLC)
 - MS-6395 (SAE 5W-20, 5W-30, 10W-30)
 - Fiat
 - 9.555.5-CR-1
 - Ford
 - WSS-M2C945-A (SAE 5W-20)
 - WSS-M2C946-A (SAE 5W-30)
 - General Motors
 - GM 6094M (SAE 5w-20, 5w-30, 10w-30)

SAE Grade	5W-20	5W-30	10W-30
API Gravity	32.79	33.03	30.71
Viscosity, Kinematic			
cSt at 40°C	50.25	65.1	65.89
cSt at 100°C	8.4	10.5	10.34
Viscosity, Cold Crank, °C/Poise	-30/60	-30/61	-25/62
Viscosity Index	143	151	145
Flash Point, °C (°F)	>200 (392)	>200 (392)	>200 (392)
Pour Point, °C (°F)	-42 (-33)	-38 (-33)	-36 (-33)
Sulfated Ash, wt %	0.8	0.8	0.8
Base Number, ASTM D2896	7.4	7.8	7.5
Phosphorus, wt %	0.070	0.070	0.067
Zinc, wt %	0.080	0.080	0.080

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