

**MOTORCRAFT®**  
**GASOLINE AND DIESEL**  
**ENGINE MOTOR OIL**



**Always Use the Correct Motor Oil**  
**for the Best Performance and Protection**



**Right Part. Priced Right.**

# MOTORCRAFT® GASOLINE AND DIESEL ENGINE MOTOR OIL

Motorcraft offers several gas and diesel engine motor oils for Ford, Lincoln, and Mercury vehicles. These include:

## Gasoline

- SAE 0W-20 Synthetic Blend Motor Oil
- SAE 5W-20 Full Synthetic Motor Oil
- SAE 5W-20 Synthetic Blend Motor Oil
- SAE 5W-30 Full Synthetic Motor Oil
- SAE 5W-30 Synthetic Blend Motor Oil
- SAE 5W-50 Full Synthetic Motor Oil
- SAE 10W-30 Synthetic Blend Motor Oil
- SAE 10W-40 Premium Motor Oil

## Diesel

- SAE 5W-30 F-150 Full Synthetic Diesel Motor Oil
- SAE 5W-40 Full Synthetic Diesel Motor Oil
- SAE 10W-30 Super Duty® Diesel Motor Oil
- SAE 10W-30 F-150 Diesel Motor Oil
- SAE 15W-40 Super Duty Diesel Motor Oil



## The Next Generation of Passenger Car Motor Oil For Gasoline Engines Is Here

Ford Motor Company is pleased to announce our new gasoline engine oils.

- Ford oil specification WSS-M2C945-B1 for Ford and Lincoln vehicles requiring 5W-20 motor oil
- Ford oil specification WSS-M2C946-B1 for Ford and Lincoln vehicles requiring 5W-30 motor oil
- Ford oil specification WSS-M2C947-B1 for Ford and Lincoln vehicles requiring 0W-20 motor oil

The GF-5/SN PLUS maintains sludge control, fuel economy, catalyst compatibility and high-temperature deposits. It also reduces low speed preignition, which helps protect pistons. Gasoline oils cannot be used in diesel engines and vice versa.

## Introducing the New F-150 and Transit Connect Diesel Motor Oil

The new low-viscosity diesel motor oil, for use in the 3.0L and 1.5L diesel engines in the F-150 and Transit Connect respectively, offers the same wear protection, oxidation, deposit and soot control as API CK-4. API FA-4 Diesel oil can be found in 5W-30 and 10W-30 diesel viscosity grades.

- Meets Ford specification WSS-M2C214-B1
- Lower dynamic viscosity designed to help improve fuel economy
- Same kinematic viscosity as other XW-30 oils in other categories
- API FA-4 oil cannot be used in Super Duty Diesel engines: 6.7L, 6.4L, 6.0L, 7.3L, 4.5L and 3.2L. Use Motorcraft Super Duty Diesel motor oil meeting WSS-M2C171-F1 in the application.



# MOTORCRAFT® GASOLINE ENGINE MOTOR OIL

## SAE 0W-20 Synthetic Blend Motor Oil

- Meets engine oil recommendations for Ford and Lincoln vehicles requiring Ford specification WSS-M2C947-B1
- Recommended for other equipment manufacturers that recommend an oil of this viscosity grade and quality
- Manufactured with high-viscosity index and premium-quality synthetic/hydroprocessed base oils
- Specially designed performance additives which help minimize engine deposits and wear
- Protects against high-temperature gelling, rust corrosion and foaming
- Friction-reducing technology provides excellent wear protection and energy-conserving characteristics
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline service, International Lubricant Specification Advisory Committee (ILSAC) GF-5 and meets API SN/SN PLUS/Resource Conserving



## SAE 5W-20 Full Synthetic Motor Oil

- Meets engine oil recommendation for Ford and Lincoln vehicles requiring Ford specification WSS-M2C945-B1
- Manufactured with high-viscosity index and premium-quality synthetic base oils that provide good high-temperature and low-temperature performance
- Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming
- Friction-reducing technology in this gas engine motor oil provides excellent wear protection and energy-conserving characteristics
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline engine service ILSAC GF-5 and meets API SN/SN PLUS/Resource Conserving



## SAE 5W-20 Synthetic Blend Motor Oil

- Meets engine oil recommendation for Ford and Lincoln vehicles requiring Ford specification WSS-M2C945-B1
- Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specially designed performance additives
- Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming
- Friction-reducing technology in this gas engine motor oil provides excellent wear protection and energy-conserving characteristics
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline engine service ILSAC GF-5 and meets API SN/SN PLUS/Resource Conserving



## SAE 5W-30 Full Synthetic Motor Oil

- Meets engine oil recommendation for Ford and Lincoln vehicles requiring Ford specification WSS-M2C946-B1
- Manufactured with high-viscosity index and premium-quality synthetic base oils that provide good high-temperature and low-temperature performance
- Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming
- Friction-reducing technology in this gas engine motor oil provides excellent wear protection and energy-conserving characteristics
- Gasoline motor oils do not provide the wear protection, oxidation, deposit and soot control needed in diesel engines
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline engine services ILSAC GF-5 and meets API SN/SN PLUS/Resource Conserving





# MOTORCRAFT® GASOLINE ENGINE MOTOR OIL

## SAE 5W-30 Synthetic Blend Motor Oil

- Meets engine oil recommendation for Ford and Lincoln vehicles requiring Ford specification WSS-M2C946-B1
- Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specially designed performance additives
- Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming
- Friction-reducing technology in this gas engine motor oil provides excellent wear protection and energy-conserving characteristics
- Gasoline motor oils cannot be used in diesel engines
- Gasoline motor oils do not provide the wear protection, oxidation, deposit and soot control needed in diesel engines
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline engine service ILSAC GF-5 and meets API SN/SN PLUS/Resource Conserving



## SAE 5W-50 Full Synthetic Motor Oil

- Meets engine oil recommendation for Ford and Lincoln vehicles requiring Ford specification WSS-M2C931-C
- Manufactured with high-viscosity index, premium-quality synthetic base oils and performance additives to provide wear and oxidation protection under severe operating conditions
- Resistant to deposit formation, including supercharged and turbocharged applications
- Provides quick flow to engine parts during start-up and lubricates effectively over a wide temperature range
- Gasoline motor oils cannot be used in diesel engines
- Recommended for use in the Ford GT, Shelby GT-500, GT-350, Boss 302, Focus RS and Ford GT Super Car
- Meets API SN



## SAE 10W-30 Synthetic Blend Motor Oil

- Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specially designed performance additives
- Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, rust, corrosion and foaming
- Gasoline motor oils do not provide the wear protection, oxidation, deposit and soot control needed in diesel engines
- Helps protect engines against piston damage by reducing oil derived preignition
- API Certified for gasoline engine service ILSAC GF-5 and meets API SN/SN PLUS/Resource Conserving



## SAE 10W-40 Premium Motor Oil

- High-quality passenger car gas engine motor oil recommended by Ford Motor Company where use of this viscosity grade is recommended
- Helps protect engines against piston damage by reducing oil derived preignition
- Meets API SN



# MOTORCRAFT® DIESEL ENGINE MOTOR OIL

## SAE 5W-30 F-150 Full Synthetic Diesel Motor Oil

- Meets Ford WSC-M2C214-B1, required for use in Ford 3.0L and 1.5L diesel engines
- Recommended for use in Ford F-150 and Transit Connect equipped with diesel engines
- Low-viscosity oil designed to help improve fuel economy and performance
- Formulated to provide excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high-temperature oxidation and thickening, as well as protecting exhaust aftertreatment systems such as particulate filters
- DO NOT USE in gasoline engines with catalysts
- Meets API Service FA-4



## SAE 10W-30 F-150 Diesel Motor Oil

- Meets Ford WSC-M2C214-B1, required for use in Ford 3.0L diesel engines
- High-quality diesel engine oil formulated with hydrotreated base oils and unique additive technology
- Low-viscosity oil designed to help improve fuel economy and performance in the diesel F-150 and other diesel vehicles where an oil of this viscosity and quality is recommended
- Formulated to provide excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high-temperature oxidation and thickening, as well as protecting exhaust aftertreatment systems such as particulate filters
- DO NOT USE in gasoline engines with catalysts
- Meets the requirements of API Service FA-4



## SAE 5W-40 Full Synthetic Diesel Motor Oil

- Meets Ford WSS-M2C171-F1, required for use in Power Stroke diesel engines designed to meet 2017 on-highway exhaust emission standards and requiring ultralow sulfur diesel fuel as well as meeting the requirements for previous model year diesel engines
- High-quality light- and heavy-duty diesel engine oil recommended by Ford Motor Company
- Recommended for use in Ford vehicles equipped with Power Stroke® diesel engines
- High-quality diesel engine oil formulated with synthetic base oils and unique additive technology
- Formulated for improved oxidation protection and contains more than 1,000 ppm phosphorus to improve wear protection
- Designed for low-emission diesel engines providing excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high-temperature oxidation and thickening
- Provides excellent performance in older-generation diesel engines operating on high-sulfur fuel
- DO NOT USE in gasoline engines with catalysts



# MOTORCRAFT® DIESEL ENGINE MOTOR OIL

## SAE 10W-30 Super Duty® Diesel Motor Oil





- Meets Ford WSS-M2C171-F1, required for use in Power Stroke diesel engines designed to meet 2017 on-highway exhaust emission standards and requiring ultralow sulfur diesel fuel as well as meeting the requirements for previous model year diesel engines
- High-quality light- and heavy-duty diesel engine oil recommended by Ford Motor Company
- Recommended for use in Ford vehicles equipped with Power Stroke® diesel engines
- Formulated with premium hydroprocessed base oils and unique additive technology
- Formulated for improved oxidation protection and contains more than 1,000 ppm phosphorus to improve wear protection
- DO NOT USE in gasoline engines with catalysts









## SAE 15W-40 Super Duty Diesel Motor Oil




- Meets Ford WSS-M2C171-F1, required for use in Power Stroke diesel engines designed to meet 2017 on-highway exhaust emission standards and requiring ultralow sulfur diesel fuel as well as meeting the requirements for previous model year diesel engines
- Designed for low-emission diesel engines providing excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high-temperature oxidation and thickening
- Formulated for improved oxidation protection and contains more than 1,000 ppm phosphorus to improve wear protection
- Protects exhaust aftertreatment systems such as particulate filters
- Provides excellent performance in older-generation diesel engines operating on high-sulfur fuel
- DO NOT USE in gasoline engines with catalysts



				
Product	SAE 0W-20 Synthetic Blend Motor Oil	SAE 5W-20 Synthetic Blend Motor Oil	SAE 5W-30 Synthetic Blend Motor Oil	SAE 10W-30 Synthetic Blend Motor Oil
Ford Specification	WSS-M2C947-B1	WSS-M2C945-B1	WSS-M2C946-B1	API Service SN/SN PLUS/RC
Available Package Sizes	1 Quart Bottle – X00W20Q1SP 12 Quart Case – X00W20QSP 3, 5-Quart Jugs – X00W205Q3SP 55 Gallon Drum – X00W20D5P Bulk Truck – X00W20B5P	1 Quart Bottle – X05W20Q1SP 12 Quart Case – X05W20QSP 3, 5-Quart Jugs – X05W205Q3SP 55 Gallon Drum – X05W20D5P Bulk Truck – X05W20B5P 275 Gallon Tote – X05W20T5P	1 Quart Bottle – X05W30Q1SP 12 Quart Case – X05W30QSP 3, 5-Quart Jugs – X05W305Q3SP 55 Gallon Drum – X05W30D5P Bulk Truck – X05W30B5P 275 Gallon Tote – X05W30T5P	1 Quart Bottle – X010W30Q1SP 12 Quart Case – X010W30QSP 55 Gallon Drum – X010W30D5P Bulk Truck – X010W30B5P
Features	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company for use in 2013 model year and forward hybrid electric vehicles</li> <li>• Meets Ford specification WSS-M2C947-B1</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specifically designed performance additives, which help minimize engine deposits and protect against rust corrosion and foaming</li> <li>• Friction-reducing technology provides excellent wear protection and energy-conserving characteristics, which result in significant improvement in fuel economy when compared to 5W-30 motor oils</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company</li> <li>• Meets Ford specification WSS-M2C945-B1</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specifically designed performance additives, which help minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, rust corrosion and foaming</li> <li>• Friction-reducing technology provides excellent wear protection and energy-conserving characteristics, which result in significant improvement in fuel economy when compared to SAE 5W-30 and 10W-30 motor oils</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company</li> <li>• Meets Ford specification WSS-M2C946-B1</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specifically designed performance additives, which help minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, rust corrosion and foaming</li> <li>• Friction-reducing technology provides excellent wear protection and energy-conserving characteristics, which result in significant improvement in fuel economy when compared to SAE 10W-30 motor oils</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company where use of this viscosity grade is recommended</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic/hydroprocessed base oils and specifically designed performance additives, which help minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, rust corrosion and foaming</li> <li>• Recommended for use in current and older domestic with import passenger cars, SUV's, light-duty trucks, minivans with normally aspirated, turbocharged, and supercharged gasoline engines where this viscosity grade is recommended</li> </ul>

				
Product	SAE 5W-20 Full Synthetic Motor Oil	SAE 5W-30 Full Synthetic Motor Oil	SAE 5W-50 Full Synthetic Motor Oil	SAE 10W-40 Premium Motor Oil
Ford Specification	WSS-M2C945-B1	WSS-M2C946-B1	WSS-M2C931-C	API Service SN
Available Package Sizes	1 Quart Bottle – X05W20Q1FS 12 Quart Case – X05W20QFS 55 Gallon Drum – X05W20DFS Bulk Truck – X05W20BFS	12 Quart Case – X05W30QFS 55 Gallon Drum – X05W30DFS Bulk Truck – X05W30BFS	12 Quart Case – X05W50QGT	1 Quart Bottle – X010W40Q1P 12 Quart Case – X010W40QP
Features	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company</li> <li>• Meets Ford specification WSS-M2C945-B1</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic base oils that provide good high-temperature and low-temperature performance</li> <li>• Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming</li> <li>• Friction-reducing technology provides superior wear protection and energy-conserving characteristics, which result in significant improvement in fuel economy when compared to SAE 5W-30 and 10W-30 motor oils</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company</li> <li>• Meets Ford specification WSS-M2C946-B1</li> <li>• API certified for gasoline engine service, ILSAC GF-5, and meets API SN/SN PLUS/Resource Conserving</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic base oils that provide good high-temperature and low-temperature performance</li> <li>• Helps minimize engine deposits and wear, protect against high-temperature oxidation and turbocharger deposits, low-temperature gelling, rust corrosion and foaming</li> <li>• Friction-reducing technology provides superior wear protection and energy-conserving characteristics, which result in significant improvement in fuel economy when compared to SAE 10W-30 motor oils</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company for use in the Ford GT, Shelby GT-500, GT-350, Boss 302 and Focus RS</li> <li>• Meets Ford specification WSS-M2C931-C</li> <li>• API SN</li> <li>• Manufactured with high-viscosity index, premium-quality synthetic base oils and performance additives to provide wear and oxidation protection under severe operating conditions</li> <li>• Resistant to deposit formation, including supercharged and turbocharged applications</li> <li>• Provide quick flow to engine parts during start-up and lubricates effectively over a wide temperature range</li> </ul>	<ul style="list-style-type: none"> <li>• Premium-quality passenger car motor oil recommended by Ford Motor Company where use of this viscosity grade is recommended</li> <li>• Meets API Service Category SN</li> </ul>

Product Ford Specification Available Package Sizes Features			
	SAE 5W-30 F-150 Full Synthetic Diesel Motor Oil	SAE 10W-30 F-150 Diesel Motor Oil	
	WSS-M2C214-B1	WSS-M2C214-B1	
	1 Quart Bottle – XO5W30QFA	1 Quart Bottle – XO10W30QFA	
<ul style="list-style-type: none"> <li>Recommended for use in Ford F-150 equipped with 3.0L diesel engine and the 1.5L diesel Transit Connect</li> <li>Meets Ford specification WSS-M2C214-B1. It also meets the requirements of API Service FA-4</li> <li>High-quality diesel engine oil formulated with synthetic base oils and unique additive technology. Provides excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high temperature oxidation and thickening, as well as protecting exhaust aftertreatment systems such as particulate filters</li> <li>Low viscosity oil designed to help improve fuel economy and performance in the diesel F-150 and Transit Connect and other diesel vehicles where an oil of this viscosity and quality is recommended</li> <li>For use in diesel F-150 and Transit Connect over a wide temperature range from -20 °F (-29°C) to over 100 °F (38 °C)</li> </ul>		<ul style="list-style-type: none"> <li>Recommended for use in Ford F-150 equipped with 3.0L diesel engine and the 1.5L diesel Transit Connect</li> <li>Meets Ford specification WSS-M2C214-B1. It also meets the requirements of API Service FA-4</li> <li>High-quality diesel engine oil formulated with synthetic base oils and unique additive technology. Provides excellent soot control, protection against wear, deposits, rust and corrosion, foaming, sludge formation, high temperature oxidation and thickening, as well as protecting exhaust aftertreatment systems such as particulate filters</li> <li>Low viscosity oil designed to help improve fuel economy and performance in the diesel F-150 and Transit Connect and other diesel vehicles where an oil of this viscosity and quality is recommended</li> <li>For use in diesel F-150 and Transit Connect over a wide temperature range from 0°F (-18°C) to over 100°F (38)°C</li> </ul>	

Product Ford Specification Available Package Sizes Features			
	SAE 5W-40 Full Synthetic Diesel Motor Oil	SAE 10W-30 Super Duty® Diesel Motor Oil	SAE 15W-40 Super Duty Diesel Motor Oil
	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1
	12 Quart Case – XO5W40QSD 3, 5-Quart Jugs- XO5W40Q3SD 55 Gallon Drum – XO5W40DSD	12 Quart Case – XO10W30QSD 3, 5-Quart Jugs- XO10W30Q3SD 55 Gallon Drum – XO10W30DSD Bulk Truck – XO10W30BSD 275 Gallon Tote – XO10W30TBSD	12 Quart Case – XO15W40QSD 3, 5-Quart Jugs- XO15W40Q3SD 55 Gallon Drum – XO15W40DSD Bulk Truck – XO15W40BSD 275 Gallon Tote – XO15W40TBSD
<ul style="list-style-type: none"> <li>High-performance light- and heavy-duty diesel engine oil recommended by Ford Motor Company for use in Ford vehicles equipped with Power Stroke® diesel engines as in truck, bus, construction and other heavy-duty diesel engine applications, as well as the smaller Ford diesel engines</li> <li>Meets Ford specification WSS-M2C171-F1, required for use in Power Stroke diesel engines designed to meet 2017 on-highway exhaust emission standards and requiring ultralow sulfur diesel fuel, as well as meeting the requirements for previous model year diesel engines</li> <li>Formulated with synthetic base oils and unique additive technology</li> <li>Satisfies the warranty requirements of Ford Motor Company as well as diesel engine manufacturers recommending a motor oil of this viscosity grade and performance</li> <li>Meets the requirements of API Service CK-4</li> <li>Formulated for improved oxidation protection and contains more than 1,000 ppm phosphorus to improve wear protection</li> <li>Designed for low-emission diesel engines providing excellent soot control, protection against wear, deposits, rust corrosion, foaming, sludge formation, high-temperature oxidation and thickening, as well as protecting exhaust aftertreatment systems such as particulate filters</li> <li>Provide excellent performance in older generation diesel engines operating on high-sulfur fuel</li> <li>Can be used in older engines where the manufacturer recommended API categories CD, CF-4, CG-4, CH-4, CI-4, CI-4 plus and CJ-4</li> <li>Recommended for use in all North American Ford diesel engines over a wide temperature range, from -20 °F (-29°C) to over 100 °F (38 °C)</li> </ul>			



Right Part. Priced Right.

