

NEW 5W-40 FULL-SAPS SYNTHETIC MOTOR OIL COMPLETES EUROPEAN CAR FORMULA LINEUP

AMSOIL Now Offers Low-, Mid- and Full-SAPS European Motor Oils

SAPS Content

Sulfated ash, phosphorus and sulfur (SAPS) comprise a significant portion of a motor oil's additive content. Sulfated ash works to improve antioxidancy, anti-wear properties, total base number (TBN), corrosion resistance, engine cleanliness and soot-handling ability; phosphorus provides further antioxidancy and sulfur contributes antioxidancy, anti-wear properties and engine cleanliness.

Prior to 2010, there were no lower limits on an oil's SAPS content. A low-SAPS oil could be used in a mid-SAPS application, while a mid-SAPS oil could claim full-SAPS specs (but not the other way around). However, because the vehicle emissions systems and exhaust treatment devices of some European vehicles are sensitive to the SAPS content of oil, the European Automobile Manufacturers' Association (ACEA) and original equipment manufacturers (OEMs) have realized the importance of using motor oil formulated with a precise SAPS level, and lower limits were established in 2010. In addition to the specifications established by the ACEA, most European OEMs have also developed their own specifications. To ensure proper engine protection and optimal emissions system performance and life, it is important to use an oil that meets the recommended specification listed in the vehicle's owner's manual.

AMSOIL European Car Formula Lineup

With AMSOIL European Car Formula 5W-40 Synthetic Motor Oil (AFL) meeting mid-SAPS requirements and European Car Formula 5W-30 Synthetic Motor Oil (AEL) meeting low-SAPS requirements, new European Car Formula 5W-40 Full-SAPS Synthetic Motor Oil (EFM) completes the European Car Formula lineup (5W-40 continues to be the most commonly recommended viscosity for European vehicles). Its robust full-SAPS formulation provides excellent protection and performance in a wide range of vehicles.

All three European Car Formula bottles now feature an updated and consistent look, with the SAPS level clearly shown on the labels to help customers select the proper oil for their vehicles. Pricing for European Car Formula 5W-30 Low-SAPS and 5W-40 Mid-SAPS Synthetic Motor Oil remains unchanged. Because European Car Formula 5W-40 Full-SAPS Synthetic Motor Oil costs less to formulate, its price is lower.

AMSOIL European Car Formula Synthetic Motor Oil is specially formulated to provide outstanding protection and performance for European gasoline and diesel cars and light trucks. Blended with advanced AMSOIL synthetic base stocks, premium additives and broad viscosity ratings, European Car Formula allows motorists to take advantage of the maximum extended drain intervals recommended by European automakers.



AMSOIL European Car Formula 5W-40 Full-SAPS Synthetic Motor Oil

Stock #	Units	Pkg./Size	Wt. Lbs.	U.S. Wholesale	U.S. Sugg. Retail	Can. Wholesale	Can. Sugg. Retail
EFMQT	EA	1 Quart	2.1	5.70	7.40	6.15	7.95
EFMQT	CA	12 Quarts	25.2	64.80	87.50	70.20	94.20
EFM5L	EA	(1) 5 Liter	11.1	30.00	38.80	32.25	41.75
EFM5L	CA	(2) 5 Liters	22.2	57.05	77.05	61.40	82.90

- Outstanding All-Season Performance
- Engineered for Maximum Fuel Economy
 - Enhanced Turbocharger Protection
- Low-, Mid- and Full-SAPS Formulations

LOW-SAPS

AMSOIL European Car Formula 5W-30 Low-SAPS Synthetic Motor Oil (AEL) is recommended for European gasoline or diesel vehicles requiring any of the following performance specifications:

- BMW LL-04 • Mercedes-Benz 229.51
- Porsche C30 • VW 504.00/507.00

MID-SAPS

AMSOIL European Car Formula 5W-40 Mid-SAPS Synthetic Motor Oil (AFL) is recommended for European gasoline or diesel vehicles requiring any of the following performance specifications:

- ACEA C3 • API SN/SM... • BMW LL-04
- GM dexos2™ • Mercedes-Benz 229.51/229.31
- Porsche A40 • VW 502.00/505.01

FULL-SAPS

AMSOIL European Car Formula 5W-40 Full-SAPS Synthetic Motor Oil (EFM) is recommended for European gasoline or diesel vehicles requiring any of the following performance specifications:

- ACEA A3/B3, A3/B4 • API SN/SM...
- BMW LL-01 • Mercedes-Benz 229.3/229.5
- Porsche A40 • Renault 0710/0700
- VW 502.00/505.00

