

Gasoline Motor Oil

AMSOIL 0W-30 MS 100% SYNTHETIC EUROPEAN MOTOR OIL

Product Code: EOTQT-EA



Product Description

AMSOIL 0W-30 MS 100% Synthetic European Motor Oil delivers precision-grade protection for European gasoline, diesel, and hybrid engines that demand strict OEM-compliant lubrication. Built around a low-SAPS formulation that satisfies BMW, Mercedes-Benz, Volkswagen, Audi, and Porsche specifications simultaneously, it covers a remarkably broad range of late-model European vehicles with a single viscosity grade.

European engines operate under conditions that punish lesser oils. Tighter tolerances, turbocharging, direct injection, and manufacturer-mandated extended drain intervals all place extreme thermal and mechanical stress on the lubricant. At the same time, modern diesel particulate filters and gasoline particulate filters require carefully controlled levels of sulfated ash, phosphorus, and sulfur. Using an oil that doesn't balance protection with emissions system compatibility can lead to clogged filters, degraded catalytic converters, and expensive repairs.

BROAD OEM COVERAGE IN A SINGLE VISCOSITY

Finding a 0W-30 synthetic motor oil that meets BMW LL-01FE, Mercedes-Benz 229.31, 229.51, and 229.52, VW/Audi 504.00/507.00, Porsche C30, and ACEA C2/C3 in one bottle simplifies inventory for multi-vehicle households and independent European repair shops. This oil also carries API SP and SN PLUS ratings. Whether it goes into a BMW 3 Series with the B48 engine, a VW Passat TDI, a Mercedes C-Class diesel, a Porsche Cayenne V6, or an Audi Q5 2.0T, the specification coverage is confirmed by AMSOIL rather than guessed at from a generic spec chart.

PROTECTS TURBOCHARGERS FROM THERMAL BREAKDOWN AND COKING

Turbocharged European engines push oil temperatures well beyond what naturally aspirated designs produce, and turbo coking remains one of the most common failure modes when oil quality falls short. AMSOIL 0W-30 MS uses a thermally stable synthetic formulation that resists deposit formation in turbocharger bearing housings and center cartridges. With a pour point of -49 degC (-56.2 degF), it also reaches critical turbo bearings quickly during cold starts, reducing the oil starvation window that accelerates wear in subzero conditions. For owners of turbocharged BMW, Mercedes, or VW engines in northern climates, that cold-flow performance is directly relevant to long-term turbo survival.

EMISSIONS SYSTEM COMPATIBILITY

ACEA C2 and C3 ratings confirm that this oil's sulfated ash, phosphorus, and sulfur levels are calibrated for vehicles equipped with diesel particulate filters, gasoline particulate filters, and three-way catalytic converters. Oils with excessive SAPS content generate metallic ash that accumulates in DPFs, triggering frequent regeneration cycles and eventually causing permanent blockage. This formulation protects the engine without shortening the life of the emissions hardware downstream of it.

SHEAR STABILITY OVER EXTENDED DRAIN INTERVALS

European manufacturers routinely specify oil change intervals of 15,000 miles or more. An oil that shears out of grade halfway through that interval leaves the engine running on a thinner film than the engineers designed for. AMSOIL 0W-30 MS uses shear-stable synthetic base oils that maintain their viscosity profile across the full OEM-recommended service interval. At 100 degC, this oil delivers a kinematic viscosity of 12.3 cSt and a high-temperature/high-shear viscosity of 3.5 cP, confirming robust film strength under the most demanding operating conditions. Its Noack volatility of 8.6% means less oil is lost to evaporation at sustained high temperatures, which directly reduces oil consumption between changes.

FIGHTS SLUDGE AND VARNISH DEPOSITS

Direct injection engines are particularly prone to sludge formation due to fuel dilution and blow-by contamination of the crankcase. This oil's oxidation stability and detergency properties actively prevent sludge and varnish buildup, keeping oil passages, piston rings, and valve train components clean over extended service intervals. A total base number of 8.4 provides strong acid-neutralizing capacity to counter the byproducts of combustion over thousands of miles of service.

SPECIFICATIONS AND COMPATIBILITY

AMSOIL 0W-30 MS (product code EOT) meets or exceeds the following specifications: API SP, SN PLUS, SN; ACEA C2, C3; BMW LL-01FE; Mercedes-Benz 229.31, 229.51, 229.52; VW/Audi 504.00/507.00; Porsche C30.

This oil is compatible with other synthetic and conventional motor oils. Mixing with other oils will shorten the service life and reduce performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed. Aftermarket oil additives are not recommended.

SERVICE LIFE

Recommended for the extended drain intervals established by the vehicle manufacturer. Change the oil filter at the time of each oil change.

Technical Specifications

Property	EOT Value	Test Method
Kinematic Viscosity @ 100 degC, cSt	12.3	ASTM D445
Kinematic Viscosity @ 40 degC, cSt	66.7	ASTM D445
Viscosity Index	185	ASTM D2270
CCS Viscosity, cP (test temp)	5879 (-35 degC)	ASTM D5293
Pour Point, degC (degF)	-49 (-56.2)	ASTM D97
Flash Point, degC (degF)	228 (442.4)	ASTM D92
Fire Point, degC (degF)	238 (460.4)	ASTM D92
Noack Volatility, % weight loss	8.6%	ASTM D5800
High-Temperature/High-Shear Viscosity, cP	3.5	ASTM D5481
Total Base Number	8.4	--

Frequently Asked Questions

Q1: What vehicles is AMSOIL 0W-30 MS 100% Synthetic European Motor Oil designed for?

AMSOIL 0W-30 MS 100% Synthetic European Motor Oil (EOTQT-EA) is a premium synthetic formulation designed for the unique demands of European gasoline, diesel, and hybrid vehicles. It meets and often exceeds strict European manufacturer specifications, making it suitable for a wide range of European makes that require a 0W-30 mid-SAPS oil. It is part of a carefully crafted line of eight European motor oil varieties to ensure proper fitment across different European engine and emissions system requirements.

Q2: How does AMSOIL 0W-30 MS European Motor Oil protect turbocharged engines?

AMSOIL 0W-30 MS European Motor Oil features a robust, thermally stable composition that shields engines from the extreme heat produced by turbochargers. Its formulation resists deposit formation in high-temperature turbocharger passages and actively cools turbocharger components. Additionally, its low pour point protects turbochargers against oil starvation during cold starts in subzero temperatures, ensuring oil reaches critical components immediately when the engine fires up.

Q3: What does MS mean in AMSOIL 0W-30 MS European Motor Oil and what specifications does it meet?

The 'MS' in the product name refers to the mid-SAPS (sulfated ash, phosphorus, sulfur) formulation, which indicates a precisely balanced additive package designed to protect modern exhaust treatment devices. AMSOIL 0W-30 MS meets and often exceeds strict European manufacturer specifications. Its optimal SAPS blend ensures compatibility with sensitive emissions systems including diesel particulate filters and catalytic converters while still delivering strong wear protection through shear-stable synthetic base oils and high-quality anti-wear additives.

Q4: How does AMSOIL 0W-30 MS European oil compare to conventional European motor oils?

AMSOIL 0W-30 MS delivers 100% synthetic engine protection that conventional oils cannot match, using shear-stable synthetic base oils and premium additives specifically designed for European engine demands. Unlike conventional oils that may break down under extended European drain intervals, AMSOIL 0W-30 MS provides dependable performance throughout the long drain intervals recommended by European automakers. Verified buyers with years of experience report consistent engine performance, with one long-term user noting reliable results across diesel engines over many years of use.

Q5: How long can I go between oil changes with AMSOIL 0W-30 MS European Motor Oil?

AMSOIL 0W-30 MS 100% Synthetic European Motor Oil is specifically formulated for the extended drain intervals established by European car manufacturers. Its thermally stable formulation resists deposit formation and fights sludge for superior engine cleanliness over long service periods. The shear-stable synthetic base oils maintain their protective properties and viscosity throughout these extended intervals, delivering dependable performance from one oil change to the next.

Q6: Is AMSOIL 0W-30 MS European Motor Oil safe for diesel particulate filters and emissions systems?

Yes, AMSOIL 0W-30 MS European Motor Oil is specifically formulated with a precisely balanced mid-SAPS (sulfated ash, phosphorus, sulfur) blend designed for safe use with modern exhaust treatment devices, including diesel particulate filters and catalytic converters. The optimal SAPS level provides exceptional engine protection without harming sensitive emissions system components. This careful formulation is part of AMSOIL's eight-variety European motor oil lineup, each crafted to ensure proper emissions system function for different European vehicle requirements.

Available Product Codes

Product Code	Package Size	Unit of Measure
EOTQT-EA	Quart Bottle	Each
EOTQT-CA	Bottle	Case of 12
EOT55-EA	55 Gallon Drum	Each

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