



MAGMA

SYN M/FE



DESCRIPTION

CYCLON MAGMA SYN M/FE 0W-20 is a top-tier, 100% synthetic, very low viscosity, OEM-specific engine oil engineered with TriboACT® Formula. It offers maximum performance and wear protection under the most extreme service conditions. Due to its 100% synthetic nature and advanced midSAPS chemistry, it will retain its rheological characteristics and maintain the reliable operation of the latest high-performance engines, hybrid powertrains and after-treatment systems, which OEMs are introducing to meet the latest European emissions limits. It demonstrates improved fuel efficiency and proven bio-fuel protection to meet tightening CO₂ emissions legislation, superior cleanliness, friction/wear protection, sludge control and polymer materials compatibility. It is specifically designed for high performance engines (including certain in mild hybrid and plug-in hybrid configurations) requiring a highly fuel efficient and low consumption oil that will prove its superior rheological characteristics and easy pumpability.

APPLICATIONS

MAGMA SYN M/FE SAE 0W-20 is an environmentally friendly crankcase engine lubricant, specifically intended for the latest generation of gasoline and light duty diesel engines with after-treatment systems (incl. GPF, DPF and TWC). Recommended applications:

Mercedes-Benz: Mandatory to meet the warranted service fill requirements for the latest generation of hybrid powertrains employing Daimler M256 and M264 gasoline or OM654 turbocharged diesel engines, incl. those with 48V integrated electrics, to be found in certain models, e.g., 2017 E 220d 4Matic All-Terrain 213.217 and Coupe 238.315).

Jaguar-Land Rover: Highly recommended for standalone – or in mild hybrid architectures – gasoline/diesel-powered engines (certain Jaguar XE, XF, XFR, XJ, F-Type, E-Pace models) and gasoline- or gasoline/ethanol-powered ICE or PHEV powertrains (certain Land Rover Discovery, Range Rover, Velar models), especially when the oil needs to perform and to demonstrate superior lower ambient temperatures operationability.

Note: Always check the vehicle's manual/book for recommended oil specs or P/N codes.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
100% synthetic oil with TriboACT® Formula.	Unsurpassed wear and deposits protection.
Exceptional low temperature performance.	Easier cold-starts, faster oil flow, quicker lubrication.
Low viscosity, advanced midSAPS performance to MB 229.71 (& STJLR 51.5122 requirements).	High after-treatment compatibility; extreme fuel economy; low CO ₂ emissions.
Low evaporation loss formulation.	Lowered oil consumption and hence less frequent top-ups.

PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA SYN M/FE	METHOD	SAE 0W-20
Density at 15°C, g/cm ³	ASTM D1298	0.84
HTHS viscosity@150°C, cP	ASTM D4683	2.7
Dynamic viscosity, °C /cP @	ASTM D5293	-35/4,400
Viscosity, Kinematic (cSt) 100°C	ASTM D445	8.3
Viscosity, Kinematic (cSt) 40°C	ASTM D445	42.86
Viscosity index	ASTM D2270	173
NOACK Volatility loss, %	ASTM D5800	11.3
Flash point, COC, °C	ASTM D92	202
Pour point, °C	ASTM D97	-42
TBN, mgKOH/g	ASTM D2896	8.01
Sulphated ash	ASTM D874	0.78

The abovementioned characteristics represent mean values.

SPECIFICATIONS

API SN; ACEA C5; MB 229.71; Jaguar-Land Rover STJLR 51.5122, STJLR 03.5006.
Performance Level: Ford WSS-M12R536-A

APPROVALS

MB-Approval 229.71; Jaguar-Land Rover STJLR 51.5122