



# MAGMA SYN ULTRA-S



## DESCRIPTION

CYCLON MAGMA SYN ULTRA-S is a fully synthetic, advanced fuel economy, low viscosity motor 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 optimally balanced additive package, it will retain its viscosity and protect gasoline-powered vehicles in situations where more conventional motor oils would be inadequate, e.g. during very cold start environments.

## APPLICATIONS

MAGMA SYN ULTRA-S oils with TriboACT® Formula are recommended for all 4-stroke engine units of gasoline-fuelled passenger cars, sport utility vehicles (SUV), light duty commercial vans and small trucks requiring a 0W20 or/and 5W20 light viscosity oil. They are particularly recommended for extreme cold conditions as they help deliver quick starts with fast lubrication, more than excellent engine protection and extreme fuel economy benefits.

As for SAE 5W30, it is mainly intended for use in new, downsized GDI engine designs with turbocharger (providing for higher power density and overall improved efficiency) of passenger/light duty applications requiring a General Motors dexos1™ (2015) oil. It is particularly recommended for that its improved additive chemistry and balanced formulation is more likely to decrease the frequency of low-speed pre-ignition (LSPI) effects, especially in the operating regime that is more beneficial to achieving improved fuel economy.

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
100% fully synthetic oil with TriboACT® Formula.	Unsurpassed wear protection.
Exceptional low temperature performance.	Easier cold-starts, faster oil flow, quicker lubrication.
Low viscosity oil grades meeting ILSAC GF-5 requirements.	Advanced fuel economy benefits.
Low evaporation loss formulations.	Lowered oil consumption and hence less frequent top-ups.
Strongly balanced base oil/additive chemistry formulation.	Minimizes LSPI effects.

## PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA SYN ULTRA-S	METHOD	0W-20	5W-20	5W-30
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0.834	0.844	0.845
HTHS viscosity@150°C, cP	ASTM D4683	2.7	2.7	3.1
Dynamic viscosity, °C/cP @	ASTM D5293	-35/5,460	-30/4,700	-30/4,840
Viscosity, Kinematic (cSt) 100 <sup>0</sup> C	ASTM D445	8.12	8.0	11.5
Viscosity, Kinematic (cSt) 40 <sup>0</sup> C	ASTM D445	42.38	46.8	66.4
Viscosity index	ASTM D2270	169	157	169
NOACK Volatility loss, %	ASTM D5800	12	10	10
Flash point, COC, °C	ASTM D92	224	228	231
Pour point, °C	ASTM D97	-48	-45	-42
TBN, mgKOH/g	ASTM D2896	8.5	8.5	8.5

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

API SN (SAE 5W-30), SN-RC; ILSAC GF-5; GM dexos1™ Gen 2 (SAE 5W-30), dexos1™; Ford WSS M2C-945A (SAE 5W-20), WSS M2C-946A/B1 (SAE 5W-30), M2C-947A (SAE 0W-20)

Meets:

SAE 0W-20: Toyota, Lexus, Honda, Nissan, Subaru, Chrysler

SAE 5W-30: Chrysler MS-6395; Honda HTO-06