MAGMA
SYN ULTRA-S

DESCRIPTION
CYCLON MAGMA SYN ULTRA-S Series consists of fully synthetic, advanced fuel economy, low viscosity motor oils engineered with TriboACT® Formula. They offer maximum performance and wear protection under the most extreme service conditions. Due to their 100% synthetic nature and optimally balanced additive package, they will retain their rheological characteristics and protect gasoline-powered and modern hybrid vehicles (the lighter grades typically recommended by hybrid vehicle OEMs) in situations where more conventional motor oils would be inadequate.

APPLICATIONS
MAGMA SYN ULTRA-S oils with TriboACT® Formula demonstrate proven, real-world performance in modern gasoline-fuelled and hybrid passenger cars, SUVs light commercial vans/small trucks requiring a very light viscosity, yet low evaporation loss 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.
Mostly, they are intended for use in downsized GDI engines with turbocharger (providing for higher power density and overall improved efficiency) of passenger/light duty applications requiring a very advanced API SP/ILSAC GF-6 and GM dexos1™ Gen 2-ready oil. They are particularly recommended for that the incorporated additive chemistry is set to decrease the frequency of 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 and deposits protection.
Exceptional low temperature performance.	Easier cold-starts, faster oil flow, quicker lubrication.
Low viscosity oil exceeding API SP & ILSAC GF-6 requirements.	Advanced fuel economy benefits.
Low evaporation loss formulation	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/cm3	ASTM D1298	0.834	0.844	0.845
HTHS viscosity@150oc, 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) 1000C	ASTM D445	8.12	8.0	11.5
Viscosity, Kinematic (cSt) 400 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 abovementioned characteristics represent mean values.

SPECIFICATIONS

SAE 0W-20
API SP-RC, SP, SN Plus; ILSAC GF-6A; GM dexos1™ Gen 2; Ford WSS M2C-947A
Level: API SN Plus-RC, SN-RC; SN, SM, SL, SJ, CF; ILSAC GF-5; GM 6094M
Recommended (check manual): Toyota, Lexus, Honda, Nissan, Subaru, Chrysler

SAE 5W-20
API SP-RC, SP; ILSAC GF-6A; GM dexos1™ Gen 2; Ford WSS-M2C960-A1, WSS M2C-945A
Level: API SN Plus-RC, SN Plus, SN-RC; SN, SM, SL, SJ, CF; ILSAC GF-5

SAE 5W-30
API SP-RC, SP, SN Plus; ILSAC GF-6A; GM dexos1™ Gen 2; Ford WSS-M2C961-A1, WSS M2C-946A, WSS M2C-946B1
Level: API SN Plus-RC, SN-RC; SN, SM, SL, SJ, CF; ILSAC GF-5; Chrysler MS-6395; Honda/Acura HTO-06; GM 4718M, 6094M

APPROVALS

SAE 0W-20/5W-30
API SP, SN Plus