MAGMA

DESCRIPTION

Magma SYN ULTRA is a 100% synthetic, ultra high performance, fuel saving motor oil for various car types, with or without extended service intervals. Engineered with TriboACT® Formula, they offer ultimate performance and wear protection under the most extreme service conditions. Due to their 100% synthetic nature, they protect the engine in situations where conventional motor oils may break down (e.g.) during very cold start environments. They exceed the oil industry`s standards with SAE 5W-40 grade being approved by major European OEMs such as VW (502.00/505.00).

APPLICATIONS

Magma SYN ULTRA is recommended for all four-stroke, direct injection, high performance gasoline and light diesel engines (without DPF), including turbo-charged and naturally-aspirated ones, fitted with catalytic converter and advanced computer-controlled, multi-valve fuel injection systems. It is suitable for all Mercedes gasoline engines including AMG models and diesels engines without DPF for the maximum recommended intervals as well as for VW gasoline engines for normal service interval. Performance reserves are maintained, especially under demanding driving conditions, even when used with extended oil change intervals and in engines with very low oil consumption.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
100% fully synthetic oil of wide viscosity range.	Significant reduction of generated friction.
Excellent pump-ability down to -39°C.	Faster engine start up and quicker lubrication; minimization of wear during start up; prolongation of engine life.
Outstanding detergent/dispersant power.	Superior engine cleanliness after many years of operation.
Extreme high shear resistance from the lubricant.	Viscosity retention enables ultimate performance under high revs and temperature operating conditions.
Remarkable long-term oxidation stability.	Reduced engine hard deposits and sludge build-up; significant reduction of maintenance costs.
Reduced oil volatility enables minimal oil consumption in high temperature service.	Extended drain intervals; reduction of hydrocarbon emissions.

PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA SYN ULTRA	METHOD	SAE 5W-40	SAE 5W-30	0W-40
Density at 15°C, g/cm^3	ASTM D1298	0,859	0,856	0,841
Dynamic viscosity, °C/cP	ASTM D5293	-30°C/6200	-30°C/5900	-35°C/6060
Viscosity, Kinematic (cSt) 100^{0}C	ASTM D445	14,5	11,88	14
Viscosity, Kinematic (cSt) 40^0 C	ASTM D445	87,6	71,4	83.9
Viscosity index	ASTM D2270	172	163	171
Flash point, COC, °C	ASTM D92	220	228	234
Pour point, °C	ASTM D97	-36	-39	-45
TBN, mgrKOH/gr	ASTM D2896	10,5	10,2	10.2

The abovementioned characteristics represent mean values.

SPECIFICATIONS

5W-40
API SN, SM, CF; ACEA A3/B4; MB-Approval 229.5; GM LL-B-025; VW 502.00, 505.00; Renault RN 0700, RN 0710; Porsche A40; BMW LongLife-01; PSA B71 2296
Level: FIAT 9.55535.H2, 9.55535.M2, 9.55535.N2, 9.55535.Z2

5W-30
API SL, CF; ACEA A3/B4; VW 502.00, 505.00; MB 229.5; Renault RN 0710, RN 0700
Level: API SN; MB 229.3; BMW LongLife-01; FIAT 9.55535.G1; GM LL-B-025, LL-A-025

0W-40
API SN; ACEA A3/B3, A3/B4; VW 502.00, 505.00; MB 229.5; Porsche A40, Renault RN 0700, RN 0710
Level: FIAT 9.55535.Z2, 9.55535.M2
Meets: Nissan

APPROVALS

5W-40: API SN; MB-Approval 229.5; VW 502.00, 505.00