



MAGMA

HYPER X-200



DESCRIPTION

MAGMA HYPER X-200 is an advanced technology, premium synthetic blend motor oil series providing for superior performance in modern gasoline, diesel, propane (LPG) and compressed natural gas (CNG) fueled powertrains. MAGMA HYPER X-200 lubricants are formulated with high quality base oils and advanced technology additives, demonstrating high performance standards regarding emissions control, wear protection and detergency (due to the increased use of biofuels and their combustion by-products) in the engine and overall cleanliness.

APPLICATIONS

MAGMA HYPER X-200 lubricants are suitable for all-season use in 4-stroke gasoline engines fitted in passenger cars, light trucks and, even, powerboats. They are equally suitable for higher ethanol gasoline (e.g., E-85) engines, as well as for engines running on diesel, LPG or CNG. They can be used in all operating conditions (city traffic, motorways) for longer drain intervals. They are superior, very advanced ILSAC GF-6 & API SP performance engine oils, suitable for downsized TGDI engines for that their advanced additive chemistry is set to decrease the frequency of low-speed pre-ignition events (SAE 5W30 & 5W40 grades). MAGMA HYPER X-200 engine oils meet or exceed the requirements for Asian, North American, and European vehicles where API service specifications are referenced.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Enhanced LSPI protection.	Prolongs engine lifecycle.
Suitable for use in new and older technology engines.	Rationalization and maintenance/operation costs reduction.
High thermal stability and oxidation resistance.	Outstanding lubricity for long drain intervals.
Energy efficient formula.	Reduced internal engine friction for improved fuel economy.
Emissions-compliant.	Fights volatility burn-off to minimize engine deposits and exhaust emissions.

PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA HYPER X-200	METHOD	SAE 5W-30	SAE 5W-40	SAE 10W-40
Density at 15°C, g/cm ³	ASTM D1298	0.851	0.868	0.867
Dynamic viscosity, °C/cP	ASTM D5293	-30/7,300	-30/6,300	-25/5500
Viscosity, Kinematic (cSt) 100 ^o C	ASTM D445	11.2	14.1	14.5
Viscosity, Kinematic (cSt) 40 ^o C	ASTM D445	65	87.0	99.5
Viscosity index	ASTM D2270	167	167	150
Flash point, COC, °C	ASTM D92	225	222	228
Pour point, °C	ASTM D97	-40	-36	-33
TBN, mgKOH/g	ASTM D2896	7.4	7.3	7.3
HTHS Viscosity @150 °C, cp	ASTM D4683	2.9	3.5	3.5

The abovementioned characteristics represent mean values.

SPECIFICATIONS

SAE 5W-30

API SP-RC, SP, SN Plus-RC; ILSAC GF-6A; Ford WSS-M2C961-A1
Level: API SN Plus, SN-RC, SN, SM, SL, SJ, CF; ILSAC GF-5

SAE 5W-40 / SAE 10W-40

API SP, SN Plus
Level: API SN, SM, SL, SJ, CF

APPROVALS

SAE 5W-30

API SP, SN Plus-RC; ILSAC GF-6A

SAE 5W-40 / SAE 10W-40

API SP, SN Plus