



MAGMA

X-100



DESCRIPTION

MAGMA X-100 is an advanced technology, synthetic blend motor oil series of lubricants which provide superior performance in modern gasoline and diesel powertrains. MAGMA X-100 lubricants are formulated with high quality base oils combined with advanced technology additives. They provide high performance standards regarding engine cleanliness wear protection and deposit accumulation. They comply with the requirements of top European and US automotive manufacturers.

APPLICATIONS

MAGMA X-100 lubricants are suitable for use in all 4-stroke gasoline and diesel engines fitted in passenger cars and light trucks. They are excellent for high-rev engines equipped with catalytic/not catalytic converters, including turbocharged and multi-valve ones. They can be used in all operating conditions (city traffic, motorways) for long drain intervals. They are also suitable for gas-fuelled (LPG) spark ignition engines.

CHARACTERISTICS - BENEFITS

CHARACTERISTICS	BENEFITS
Viscosity retention within grade limits.	Rapid lubrication at cold starting, friction reduction at start-up; effective lubricity during high temperature operation.
Versatile applications; suitable for use in old and new technology engines.	Maintenance and operation costs reduction.
High thermal stability and oxidation resistance.	Outstanding lubricity for long drain intervals.
Cleanliness high levels; wear protection and soot handling.	Protection against varnish deposits and sludge build-up in critical rings and valve areas; retention of engine efficiency.
Fuel savings.	Lower exhaust emissions.

PHYSICAL- CHEMICAL CHARACTERISTICS

MAGMA X-100	METHOD	SAE 5W-30	SAE 10W-30	SAE 5W-40	SAE 10W-40
Density at 15°C, g/cm ³	ASTM D1298	0.855	0.859	0.868	0.862
Dynamic viscosity, °C/cP	ASTM D5293	-30/5,900	-25/5200	-30/5,700	-25/5,550
Viscosity, Kinematic (cSt) 100°C	ASTM D445	11	10.52	10.4	14.3
Viscosity, Kinematic (cSt) 40°C	ASTM D445	64.2	65.51	82.5	98.5
Viscosity index	ASTM D2270	164	149	170	157
Pour point, °C	ASTM D97	-36	-36	-33	-33
TBN, mgKOH/g	ASTM D2896	10.4	10.4	10.4	10.4
HTHS Viscosity @150°C, cp	ASTM D4683	3.55	3.57	3.92	4.05

The abovementioned characteristics represent mean values.

SPECIFICATIONS

API SN, SL, CF; ACEA A3/B3, A3/B4; MB 229.1; VW 501.01, VW 505.00; JASO MA2 (10W-30, 5W-40, 10W-40).

PERFORMANCE LEVEL

SAE 5W-40: FIAT 9.55535- M2

SAE 10W-40: FIAT 9.55535- D2

APPROVALS

SAE 5W-30: API SL

SAE 5W-40: API SN

SAE 10W-40: API SL