



# MAGMA

## SYN F1



### DESCRIPTION

Magma SYN F1 SAE 15W-40 is a high performance synthetic motor oil suitable for the lubrication of four stroke gasoline and diesel-powered passenger cars, specially newer ones. It provides very enhanced engine cleanliness and long lasting protection against harmful carbon deposits that are built up in critical engine parts. The top quality synthetic base stock reduce oil volatility and therefore oil consumption enabling trouble-free operation with the most premium performance. It complies with the requirements of the strictest specifications of major European, Japanese and US automotive manufacturers.

### APPLICATIONS

Magma SYN F1 is suitable for high output passenger cars equipped with catalytic converters or not, including turbocharged and multi-valve models. It is excellent for direct/indirect injection high-rev engines of cars and small vans. Magma SYN F1 is recommended for use in all seasons under the most severe operating conditions where superior performance oils are required.

### CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Superior synthetic basestock.	Low oil consumption at extreme temperatures.
Excellent cold flow properties.	Faster engine starting at low temperature and reduced wear.
High viscosity index and exceptional shear stability; viscosity retention within grade limits.	Durability during severe service; outstanding lubrication for extended drain intervals.
Strong antiwear protection.	Prolongation of engine's life.
Excellent high temperature oxidation stability.	Resistance to ageing; protection against thermal breakdown.
High level of detergency and dispersancy.	Ultimate protection against varnish deposits and sludge build up in critical ring and valve areas; retention of engine efficiency.

### PHYSICAL-CHEMICAL CHARACTERISTICS

Magma SYN F1	METHOD	SAE 15W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0,870
Dynamic viscosity, °C/cP	ASTM D5293	-20°C/7000
Viscosity, Kinematic (cSt) 100 <sup>0</sup> C	ASTM D445	14,5
Viscosity, Kinematic (cSt) 40 <sup>0</sup> C	ASTM D445	104
Viscosity index	ASTM D2270	143
Flash point, COC, °C	ASTM D92	238
Pour point, °C	ASTM D97	-30
TBN, mgrKOH/gr	ASTM D2896	10,5

The abovementioned characteristics represent mean values.

### SPECIFICATIONS

API SL, CF; ACEA A3, B3, B4; VW 505.00, 501.01; Daimler MB 229.1