



# MAGMA

## SYN F1



### DESCRIPTION

MAGMA SYN F1 is a high-performance synthetic motor oil suitable for the lubrication of four stroke gasoline and diesel-powered passenger cars, especially newer ones. Enhanced with TriboACT® Formula additive system, it provides excellent engine cleanliness and long-lasting protection against harmful carbon deposits that are built up in critical engine parts, such as the turbocharger. The top quality synthetic base stock reduces 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, Asian and US OEMs.

### 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. It is also recommended for the lubrication of gas-powered vehicles. 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 start at low temperatures 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.
TriboACT® Formula inside for stronger anti-wear protection.	Prolongation of engine's life.
Excellent high temperature oxidation stability.	Resistance to ageing; protection against thermal breakdown.
High levels 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 5W40	SAE 10W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0.855	0.857
Dynamic viscosity, °C/cP	ASTM D5293	-30°C/5,800	-25°C/6,200
Viscosity, Kinematic (cSt) 100 <sup>0</sup> C	ASTM D445	14.0	14.4
Viscosity, Kinematic (cSt) 40 <sup>0</sup> C	ASTM D445	84.02	94
Viscosity index	ASTM D2270	172	158
Flash point, COC, °C	ASTM D92	220	228
Pour point, °C	ASTM D97	-36	-36
TBN, mgKOH/g	ASTM D2896	10.2	10.2

The abovementioned characteristics represent mean values.

### SPECIFICATIONS

#### 10W-40

API SN, SM, CF; ACEA A3/B3, A3/B4; VW 505.00; MB 229.3, MB 229.1; Renault RN 0700; JASO MA-2  
Level: VW 502.00

#### 5W-40

API SP, SN; ACEA A3/B4-21; MB 229.3; VW 502.00, VW 505.00; Renault RN 0710, RN 0700; Porsche A40; Peugeot-Citroën (PSA) 2296  
Level: BMW LongLife-01

### APPROVALS

**10W-40:** API SN; MB-Approval 229.3