



# MAGMA

## SYN FD



### DESCRIPTION

Magma SYN FD is a fully synthetic, fuel economy lubricant, designed to provide, at the same time, ultimate performance, wear protection and fuel economy benefits up to 3.5%. The unique TriboACT® Formula additive system significantly reduces the internal friction within the engine while the supreme flow characteristics minimize engine wear in the pistons and valve areas during cold starts up. It is specially designed for Ford EcoBoost petrol engines and other OEM engines requiring a SAE 5W-20 viscosity grade, low HTHS, fuel economy oil meeting ACEA A1/B1 or API SN standards.

### APPLICATIONS

Magma SYN FD delivers excellent performance and low emission characteristics in last generation, fuel-efficient, Euro 5, 1.0L, 3-cylinder EcoBoost engines. It is backwards compatible with previous Ford WSS-M2C-913B, Ford WSS-M2C-913C or Ford WSS-M2C-925B qualities. It is suitable for use in Ford's gasoline powertrains as well as for Jaguar, Land Rover, Chrysler-Jeep units requiring a low friction oil. Before use, always refer to the owner manual of the vehicle. Magma SYN FD is not suitable for Ford Ka, ST & RS models.

### CHARACTERISTICS-BENEFITS

| CHARACTERISTICS                           | BENEFITS  |
|---|---|
| 100% synthetic oil.                       | Excellent low temperature properties; supreme lubricant flow properties that reduce pumping losses. |
| TriboACT® Formula engineered.             | Strong anti-wear and anti-sludge protection; less wear than camshaft and tappet test limits.        |
| Reduction in fuel consumption up to 3.5%. | Low operation costs and reduced environmental impact; less CO <sub>2</sub> emissions                |

### PHYSICAL-CHEMICAL CHARACTERISTICS

| Magma SYN FD                                  | METHOD     | SAE 5W-20  |
|---|------------|------------|
| Density at 15°C, g/cm <sup>3</sup>            | ASTM D1298 | 0,852      |
| Dynamic viscosity, °C/cP                      | ASTM D5293 | -30°C/4350 |
| Viscosity, Kinematic (cSt) 100 <sup>0</sup> C | ASTM D445  | 8,5        |
| Viscosity, Kinematic (cSt) 40 <sup>0</sup> C  | ASTM D445  | 52         |
| Viscosity index                               | ASTM D2270 | 163        |
| Flash point, COC, °C                          | ASTM D92   | 225        |
| Pour point, °C                                | ASTM D97   | -39        |
| TBN, mgrKOH/gr                                | ASTM D2896 | 8,1        |

The above mentioned characteristics represent mean values.

### SPECIFICATIONS

ACEA A1/B1; Ford WSS M2C-948B; Jaguar-Land Rover STJLR.03.5004

### APPROVALS

API SN