

# FS Engine Guard SAE 5W-20, 5W-30, 10W-30

## Description

FS Engine Guard Synthetic Blend Motor Oil is formulated with synthetic and highly refined conventional base oil, a shear stable viscosity index improver and utilizes an advanced detergent and dispersant package to provide excellent engine cleanliness and protection against low speed pre-ignition (LSPI). In addition, FS Engine Guard contains anti-wear and friction modifiers, foam suppressants, corrosion inhibitors, and a robust antioxidant package to help prevent timing chain wear and turbocharger deposits in next generation gasoline engines. It is also backwards compatible to protect older engine technologies.

## Features and Benefits:

- Displays the API “starburst” symbol, indicating it is certified for use in gasoline engines
- Meets, and in some cases, exceeds API SP Resource Conserving and ILSAC GF-6 specification requirements
- Formulated with a partial blend of synthetic base oil to meet NOACK Volatility and ASTM D5800 test requirements
- Provides protection against low speed pre-ignition (LSPI), which is a phenomenon that can lead to pre-ignition knock that can occur in turbocharged, gasoline direct-injected engines
- Offers improved protection against timing chain wear and turbocharger deposit build-up in newer gasoline engines
- Features better oxidation stability, improved piston cleanliness and better wear control
- Passes all current industry-standard gasoline engine tests
- Features a high-quality detergent package for excellent engine cleanliness
- Provides excellent anti-wear protection of critical engine parts
- Features a high viscosity index that ensures easy cold starting and protective films that reduce viscosity breakdown
- Formulated with a high level of dispersancy that protects against sludge, engine rust, and corrosion under severe operating conditions
- Offers low volatility for reduced oil consumption and protection of the emission-control system catalyst
- Designed for today’s gasoline engines that operate at higher temperatures
- Not formulated for use in heavy-duty turbocharged diesel engines; use FS Suprex Gold ESP for those applications

## Meets or Exceeds:

- API SP, SN Plus, SN, SM, SL, SJ, SH
- Resource Conserving
- ILSAC GF-6A, GF-5, GF-4, and prior
- Ford WSS-M2C960-A1 (SAE 5W-20), WSS-M2C961-A1 (SAE 5W-30), WSS-M2C962-A1 (SAE 0W-20)
- Meets the performance requirements of Chrysler
- Meets the service fill requirements of JAMA member OEMs

## Product Availability:

### FS Engine Guard Syn Blend SAE 5W-20

|                |              |
|----------------|--------------|
| 12 x 1 qt.     | Item #174249 |
| 6 x 1 gal.     | Item #219750 |
| 55-gal. Drum   | Item #174254 |
| 265-gal. Totes | Item #176791 |

### FS Engine Guard Syn Blend SAE 5W-30

|                |              |
|----------------|--------------|
| 12 x 1 qt.     | Item #174835 |
| 6 x 1 gal.     | Item #167388 |
| 55-gal. Drum   | Item #174836 |
| 265-gal. Totes | Item #174837 |

### FS Engine Guard 10W-30

|                |              |
|----------------|--------------|
| 12 x 1 qt.     | Item #174839 |
| 6 x 1 gal.     | Item #167385 |
| 55-gal. Drum   | Item #174840 |
| 265-gal. Totes | Item #174841 |

## Typical Properties:

| Test / Description             | Specification | Specification | Specification |
|--------------------------------|---------------|---------------|---------------|
| <b>SAE Grade</b>               | <b>10W-30</b> | <b>5W-20</b>  | <b>5W-30</b>  |
| <b>Viscosity @ 100°C (cSt)</b> | 10.8          | 8.6           | 10.5          |
| <b>Viscosity @ 40°C (cSt)</b>  | 73.8          | 50.0          | 65.2          |
| <b>Viscosity Index</b>         | 135           | 145           | 150           |
| <b>Density (lb/gal)</b>        | 7.24          | 7.19          | 7.2           |
| <b>CCS Viscosity (cP)</b>      | 5,500         | 5,300         | 5,600         |
| <b>Pour Point (°C)</b>         | -33           | -39           | -36           |
| <b>Pour Point (°F)</b>         | -27           | -38           | -33           |
| <b>Flash Point (°C)</b>        | 215           | 210           | 210           |
| <b>Flash Point (°F)</b>        | 419           | 410           | 410           |