



Product Name: ERSTÜR SAE 5W-20 API SM/CF

Viscosity Grade: SAE 5W-20

Quality Level: Semi - Synthetic

API Service: SM/CF

Recommended for: European, Japanese and American cars and any engine recommend same engine oil Specification.

Application: Recommended for gasoline and Diesel engines.

Drain Interval: Up to 10,000 Km

Product Overview

ERSTÜR SAE 5W-20 API SM/CF is a premium semi-synthetic engine oil specially formulated for gasoline and diesel engines, including those with direct injection and turbocharged technologies. Developed to meet API SM standards, it delivers outstanding protection, viscosity retention, and oxidation stability. Its formulation complies with stringent Seq III G and TEOST MHT tests, which are critical for modern, high-performance engines. The advanced properties of ERSTÜR SAE 5W-20 API SM/CF ensure optimal engine cleanliness, fuel efficiency, and reduced wear across all extreme driving conditions.

Application

ERSTÜR SAE 5W-20 API SM/CF is ideal for use in gasoline and diesel engines in cars, SUVs, and light industrial vehicles. Its formulation is optimized for both turbocharged and multi-valve engines, suitable for European, Japanese, and American car manufacturers. Designed for high-demand driving conditions such as city traffic, long highway driving, and extreme temperatures, this engine oil provides smooth operation, low oil consumption, and extended oil drain intervals, making it suitable for a wide range of modern vehicles.

Performance Benefits

- **Superior Cold Start Protection:** Ensures fast lubrication upon cold start, reducing engine wear.
- **Enhanced High-Temperature Stability:** Provides ideal lubrication under high engine temperatures.
- **Extended Oil Life:** Supports extended oil drain intervals, doubling mileage between oil changes.
- **Fuel Efficiency:** Low-friction formula promotes fuel conservation and reduces emissions.
- **Engine Cleanliness:** Keeps engine parts clean with anti-wear additives and superior detergency.
- **Compatibility:** Fully compatible and miscible with other engine oils

Meets and Approvals

Meets:

- **API:** SM/CF
- **ILSAC:** GF-4 Energy Conservation
- **ACEA :** A1/B1

OEM Standards:

- General Motors GM 6094M
- Chrysler MS-6395N
- Mercedes-Benz 229.3





Typical Properties

Property	Method	Value
Viscosity Grade	SAE J300	5W-20
Density @ 15°C	DIN 51757	0.8521 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	48.12 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	8.675mm ² /s
Apparent Viscosity by MRV @ -35°C	ASTM D4684	22,670 mPas
Apparent Viscosity by CCS @ -30°C	ASTM D5293	6,200 mPas
Viscosity Index	DIN ISO 2909	160
High Temp High Shear (HTHS)@ -150°C	ASTM D5481	2.8 mPas
Pour Point	ASTM D 5059	-36°C
Flash Point	ASTM D 92	220°C
Evaporation Loss (Noack)	ASTM 5800B	10.50%
Total Base Number (TBN)	DIN ISO 3771	7.8 mg KOH/g
Sulfate Ash	DIN 51575	0.78%

Storage, Handling and Environmental Safety:

ERSTÜR SAE 5W-20 API SM/CF in a cool, dry place away from direct sunlight, in tightly closed containers to prevent contamination. Do not store at temperatures above 60°C. Ensure compliance with local regulations for the disposal of used oil

