



**Product Name:** STÜRM SAE 5W-50 API SN/CF

**Viscosity Grade:** SAE 5W-50

**Quality Level:** Full - Synthetic

**API Service:** SN/CF

**Recommended for:** Ford , Porsche , Volkswagen , Fiat , Mercedes Benz , racing cars and any engine recommend same engine oil specifications

**Application:** Gasoline, diesel engines and motorsport application.

**Drain Interval:** 20,000 Km or 1 driving year

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## Product Overview

STÜRM SAE 5W-50 API SN/CF is an advanced, fully synthetic engine oil developed for high-performance and high-rev engines operating in severe conditions. Designed to deliver maximum protection across a broad range of operating temperatures, this oil provides optimal lubrication, stability, and wear protection even under extreme conditions. STÜRM SAE 5W-50 API SN/CF meets or exceeds the stringent requirements of high-performance and racing applications, ensuring your engine operates at peak performance without compromise.

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## Application

STÜRM SAE 5W-50 API SN/CF is recommended for a variety of high-performance gasoline and light diesel engines, including turbocharged and naturally aspirated configurations. It is ideally suited for engines subjected to high load and temperature, such as those in motorsport, rally, and performance street vehicles. Compatible with fuels such as gasoline, LPG, biofuels, and ethanol, this formulation is not suitable for engines equipped with Diesel Particulate Filters (DPF).

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## Performance Benefits

- **Ultimate Wear Protection:** Reinforced additive system ensures robust protection against wear and tear, prolonging engine life, even under the stress of high-rev and heavy-load operations.
- **High Viscosity Index:** Maintains oil stability and viscosity under varying temperatures, providing optimal lubrication and performance across a wide range of conditions.
- **Excellent Thermal Stability:** Advanced synthetic formulation resists oxidation and oil breakdown at high temperatures, ensuring extended oil life and minimizing sludge formation.
- **Cold Start Protection:** Exceptional flow properties at low temperatures ensure rapid oil circulation during startup, reducing engine wear in cold climates.
- **Shear Stability:** High shear stability maintains viscosity, ensuring a strong protective oil film at high operating temperatures

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## Meets and Approvals

**Meets :**

- API SN, CF
- ACEA A3/B4

**Approvals :**





- MB-Approval 229.1/229.3
- Porsche A40
- VW 502.00 / 505.00
- FIAT 9.55535-M2

## Typical Properties

Property	Method	Value
Viscosity Grade	SAE J300	5W-50
Density @ 15°C	DIN 51757	0.8461 g/cm <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042-04	104.8 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	17.75 mm <sup>2</sup> /s
Viscosity, MRV @ -35°C	ASTM D4684	22,500 mPas
Viscosity, CCS @ -30°C	ASTM D5293	6005mPas
Viscosity Index	DIN ISO 2909	188
High Temp High Shear (HTHS)	ASTM D5481	4.2 mPas
Pour Point	DIN ISO 3016	-39°C
Flash Point	DIN ISO 2592	222°C
Evaporation Loss (Noack)	ASTM 5800B	9.50%
Total Base Number (TBN)	DIN ISO 3771	10.1 mg KOH/g

## User Advice

1. **Application:** For optimal performance, follow vehicle manufacturer recommendations for oil grade and service intervals.
  2. **Compatibility:** This oil can be mixed with commercially available motor oils. However, using it alone without mixing ensures maximum performance.
- **Storage:** Store in a cool, dry place below 60°C, avoiding direct sunlight and extreme temperatures to preserve quality.

## Health, Safety, and Environmental Guidelines

- Avoid prolonged or repeated skin contact with used engine oil.
- Dispose of used oil properly at authorized collection points; avoid discharge into drains, water, or soil.
- For detailed safety guidelines, refer to the product's Safety Data Sheet (SDS).

