

STÄRK Fully Synthetic Gasoline Engine Oil SAE 5W30 SN/CF ACEA C3

Product Description

STÄRK 5W-30 SN ACEA C3 is a high-quality Low SAPS full synthetic motor oil engineered to ensure long engine life and maintain the efficiency of emission control systems. It provides excellent wear protection, piston cleanliness, thermal stability, and fuel economy while reducing harmful deposits in turbocharged and DPF-equipped vehicles.

Performance Benefits

- **Low SAPS Formula:** Protects DPFs and TWCs; reduces ash and emission-related issues
- **Advanced Synthetic Base Oils:** Excellent temperature resistance and long oil life
- **High Oxidation Resistance:** Keeps oil stable under high loads and heat
- **Outstanding Wear Protection:** Protects vital engine components under pressure
- **Clean Engine Performance:** Prevents sludge and deposit formation
- **Fuel Economy:** Reduces internal friction, enhances efficiency and lowers CO₂

Application

- For modern gasoline and diesel passenger cars, SUVs, and light-duty vans
- Suitable for vehicles operating under stop-start, urban, highway, or high temperature driving
- Compatible with DPF, TWC, GPF and other emission control systems
- Acceptable for use with fuels including gasoline, diesel, LPG, CNG, E85 biofuel

Meets and Exceeds

- API SN
- ACEA C3
- OEM Approvals / Compatible Specifications
 - MB 229.51 / 229.52
 - BMW Longlife-04
 - VW 504.00 / 507.00
 - Porsche C30
 - GM dexos2™
 - Renault RN0720
 - Fiat 9.55535-S1
 - Peugeot/Citroën PSA B71 2290
 - Hyundai/Kia Approval for Euro 6 engines

Typical Properties

Property	Test Method	Value
SAE Viscosity Grade	SAE J300	5W-30
Density @ 15°C	DIN 51757	0.847 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D7042	70.2 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042	12.1 mm ² /s
CCS Viscosity @ -30°C	ASTM D5293	6100 mPa·s
MRV @ -35°C	ASTM D4684	18,500 mPa·s
Viscosity Index	ISO 2909	170
HTHS @ 150°C	ASTM D5481	3.5 mPa·s
Flash Point (COC)	ISO 2592	230°C
Pour Point	ISO 3016	-42°C
Noack Volatility	ASTM D5800	8.4%
TBN	ISO 3771	8.0 mg KOH/g
Sulfated Ash	ASTM D874	≤0.8% wt
Phosphorus Content	ASTM D5185	0.08-0.09% wt



Storage and Handling

- Store in a dry, covered area between 5°C and 40°C.
- Protect from direct sunlight and moisture.
- Keep containers sealed when not in use.
- Follow all local regulations and refer to MSDS for handling and PPE requirements.

User Advice

- Do not mix with non-compatible oil types (especially full SAPS).
- Always follow OEM service intervals and specifications.
- For professional and safe use, refer to Petrovöll MSDS and local safety codes

