

STÄRK Fully Synthetic Gasoline Engine Oil SAE 5W40 SN/CF

Product Description

STÄRK 5W-40 SN is a high-performance, fully synthetic engine oil formulated to provide excellent protection, fuel efficiency, and smooth engine operation. Designed for both gasoline and diesel engines (excluding diesel particulate filter (DPF) equipped engines), STÄRK 5W-40 is engineered with advanced synthetic base oils and premium additives, enabling fast lubrication and extended oil change intervals. It is suitable for turbocharged engines, catalytic converters, and high-performance applications across a range of driving conditions.

Performance Benefits

- **High Wear Protection:** Ensures durability and a longer engine lifespan by protecting against wear and deposits.
- **Improved Fuel Efficiency:** Low-friction formula optimizes fuel consumption and reduces CO₂ emissions.
- **Thermal Stability:** Provides consistent performance across high and low temperatures with stable viscosity.
- **Cold Start Protection:** Ensures fast lubrication at start-up, reducing wear from cold starts.
- **Oxidation Resistance:** Prevents oil degradation and maintains performance over extended intervals.
- **Compatibility:** Safe for use with turbochargers and catalytic converters.

Health, Safety, and Environment

Prolonged contact with used engine oils may cause skin disorders. Use protective gear during handling and wash skin thoroughly after exposure. Dispose of used oil responsibly and in accordance with local environmental regulations. Consult the Material Safety Data Sheet (MSDS) for more information.

Note: The values provided are typical and may vary within production tolerance.

Application

- Ideal for modern gasoline and diesel engines with multi-valve technology, turbochargers, and charge air cooling.
- Suitable for passenger cars, SUVs, and light trucks operating in varied driving conditions including urban traffic, highways, and demanding environments.
- Recommended for engines requiring extended oil drain intervals and protection under high stress.

Meets and Exceeds

Meets

- API SN/CF
- ACEA A3/B4

OEM Approvals

- Mercedes-Benz: MB 226.5 (V2016.1), MB 229.3 (V2016.1), MB 229.5 (V2016.1)
- Opel/GM: GM-LL-B-025
- Porsche: A40
- Renault: RN 0710/RN 0700
- Volkswagen: VW 502.00 / 505.00
- BMW: Longlife-01
- Peugeot/Citroën (PSA): B71 2296
- Chrysler: MS 12991, MS 10725, MS 10896
- Fiat: 9.55535-H2, 9.55535-M2, 9.55535-N2, 9.55535-Z2

User Advice

- **Application:** Follow manufacturer guidelines for oil change intervals and operating conditions. Full performance is achieved only when used unmixed with other oils.
- **Storage:** Store in a cool, dry place. Avoid temperatures above 60°C and protect from direct sunlight and freezing conditions.



Typical Properties

Property	Test Method	Value
Viscosity Grade	SAE J300	5W-40
Density @ 15°C	DIN 51757	0.8432 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D7042-04	81.83 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	14.11 mm ² /s
Viscosity, MRV @ -35°C	ASTM D4684	22,460 mPas
Viscosity, CCS @ -30°C	ASTM D5293	5448 mPas
Viscosity Index	DIN ISO 2909	179
High Temp High Shear (HTHS)	ASTM D5481	3.7 mPas
Pour Point	DIN ISO 3016	-42°C
Flash Point	DIN ISO 2592	226°C
Evaporation Loss (Noack)	ASTM 5800B	8.5%
Total Base Number (TBN)	DIN ISO 3771	10.11 mg KOH/g

