

STÄRK Fully Synthetic Gasoline Engine Oil SAE 0W20 SN/CF

Product Description

STÄRK 0W-20 SN is a premium low-friction motor oil formulated with advanced synthetic technology, designed to meet the stringent demands of modern gasoline engines, including high-efficiency engines from Jaguar, Land Rover, and Mercedes-Benz. This oil is engineered for optimized lubrication, reduced wear, and minimal deposit formation, ensuring superior engine protection and fuel economy under all conditions. The high shear stability and thermal resistance of STÄRK 0W-20 SN make it ideal for engines with start/stop systems, enhancing performance, reducing emissions, and extending service life.

Performance Benefits

- **Enhanced Wear Protection:** Provides a resilient lubrication film, reducing wear and extending engine longevity.
- **Fuel Efficiency:** Low-friction formula reduces fuel consumption, supporting lower CO₂ emissions.
- **Outstanding Cleanliness:** Formulated to prevent deposit formation, maintaining engine cleanliness and efficiency.
- **Wide Temperature Range Performance:** High stability in extreme temperatures ensures reliable lubrication from cold starts to high-temperature driving.
- **High Shear Stability:** Ensures consistent viscosity under high shear conditions, protecting components at all engine speeds and loads.
- **Compatibility:** Safe for use with turbochargers and catalytic converters.

Storage and Handling

Store in a cool, dry location, away from direct sunlight and extreme temperatures. Avoid mixing with other motor oils to ensure optimal performance. Ensure containers are tightly sealed when not in use.

Application

Recommended for high-performance gasoline and diesel engines, including those requiring extended oil change intervals and compatibility with start/stop systems. Specifically suitable for engines conforming to ACEA C5, API SN, Jaguar Land Rover STJLR.51.5122, and MB 229.71 specifications.

Meets and Exceeds

Meets

- API: SN
- ACEA: C5
- ILSAC: GF-5

Approvals

- MB: 229.71, 229.31 (Vol 2019)
- BMW: LL-01 FE
- STJLR: 51.5122
- Chrysler: MS-6395
- Fiat: 9.55535-CR-1
- GM: 6094M
- Ford: WSS-M2C947-A1/B1
- Porsche: C20
- PSA: B71 2010
- Dexos: 1 Gen 2
- VW: 508 00, 509 00
- Fiat: 9.55535-DM1

Health, Safety and Environment

Refer to the STÄRK 0W-20 SN Safety Data Sheet (SDS) for detailed information on safe handling and environmental considerations.



Typical Properties

Property	Test Method	Value
Viscosity Grade	SAE J300	0W-20
Density @ 15°C	DIN 51757	0.8338 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D7042-04	49.41 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	8.812 mm ² /s
Viscosity, MRV @ -40°C	ASTM D4684	17240 mPas
Viscosity, CCS @ -35°C	ASTM D5293	5620 mPas
Viscosity Index	DIN ISO 2909	159
High Temp High Shear (HTHS)	ASTM D5481	2.8 mPas
Pour Point	DIN ISO 3016	-48°C
Flash Point	DIN ISO 2592	226°C
Evaporation Loss (Noack)	ASTM 5800B	9 %
Total Base Number (TBN)	DIN ISO 3771	10.11 mg KOH/g

User Advice

STÄRK 0W-20 SN is compatible with modern engines requiring low-viscosity, low-SAPS lubricants for fuel efficiency. Refer to your vehicle's owner manual before use to confirm compatibility

