

STÄRK Semi Synthetic Gasoline Engine Oil SAE 10W40 SL/CF

Product Description

STÄRK 10W-40 SL/CF is a high-tech semi-synthetic, all-season, low-friction engine oil formulated to meet the rigorous demands of modern gasoline and diesel engines, including turbocharged and direct injection systems. Its advanced additive technology ensures outstanding protection against wear, exceptional engine cleanliness, and long-term reliability, even under severe operating conditions. Particularly suitable for high-mileage vehicles, this oil guarantees smooth performance and extended engine life.

Application

- Recommended for gasoline and diesel engines equipped with turbochargers, catalytic converters, and common-rail direct injection systems.
- Ideal for vehicles with high mileage exceeding 100,000 km.
- Suitable for city driving, highways, and extreme temperature environments.

Performance Benefits

- **Superior Wear Protection:** Reduces wear under high-stress conditions.
- **Engine Cleanliness:** Prevents the formation of deposits and sludge.
- **Fuel Efficiency:** Formulated to save fuel and reduce emissions.
- **Shear Stability:** Maintains viscosity under high-pressure conditions.
- **Thermal Stability:** Excellent performance across a wide temperature range.
- **Improved Lubrication:** Provides instant lubrication during cold starts.
- **Extended Oil Life:** Optimized for long oil change intervals.

Meets and Exceeds

Meets:

- API: SL/CF
- ACEA A3/B4
- JASO MA2

Approvals:

- MB 226.5 (v2016.1)
- MB 229.3 (v2016.1 & v2019.1)
- PSA B71 2300
- RN 0710/0700
- VW 501.00/505.00
- Fiat 9.55535-D2/9.55535-G2

Typical Properties

Property	Test Method	Value
Viscosity Grade	SAE J300	10W-40
Density @ 15°C	DIN 51757	0.8621 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D7042-04	93.93 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	13.78 mm ² /s
Apparent Viscosity by MRV @ -30°C	ASTM D4684	25,500 mPas
Apparent Viscosity by CCS @ -25°C	ASTM D5293	6150 mPas
Viscosity Index	DIN ISO 2909	149
High Temp High Shear (HTHS) @ 150 OC	ASTM D5481	3.8 mPas
Pour Point	DIN ISO 3016	-33°C
Flash Point	DIN ISO 2592	230 °C
Evaporation Loss (Noack)	ASTM 5800B	10.15%
Total Base Number (TBN)	DIN ISO 3771	7.5 mg KOH/g



Health & Safety, Environment

- Prolonged and repeated contact with oil may cause skin irritation. Avoid contact and wash skin thoroughly with soap and water.
- Dispose of used oil responsibly by taking it to an authorized collection center.
- Refer to the product's Safety Data Sheet (SDS) for detailed information.

Storage and Handling

- Store in a cool, dry location away from direct sunlight and extreme temperatures.
- Containers should be kept tightly closed to prevent contamination.

For professional use only. Always follow vehicle manufacturer recommendations for oil selection and change intervals.

