

## STÄRK Semi Synthetic Gasoline Engine Oil SAE 15W40 SL/CF

### Product Description

**STÄRK 15W-40 SL/CF** is a high-performance semi-synthetic motor oil designed to provide year-round protection for gasoline and diesel engines. Formulated with advanced additive technology, including molybdenum disulfide (MoS<sub>2</sub>), it ensures optimum lubrication under extreme operating conditions and long oil change intervals. The formulation offers superior cleanliness, wear resistance, and thermal stability, making it ideal for vehicles operating in challenging environments.

### Performance Benefits

- **Excellent Engine Cleanliness:** Prevents deposit buildup and maintains engine hygiene.
- **Outstanding Wear Protection:** Extends engine life, even under high-stress conditions.
- **Superior Thermal Stability:** Resists breakdown at high temperatures, ensuring consistent performance.
- **Cold Start Efficiency:** Provides instant lubrication and smooth engine operation.
- **Turbocharger Compatibility:** Suitable for turbocharged engines with catalytic converters.
- **High Shear Stability:** Ensures stable viscosity and reliable lubrication across varied operating conditions.
- **Fuel Efficiency:** Reduces friction to improve fuel economy and minimize pollutant emissions.

### Typical Properties

Property	Test Method	Value
Viscosity Grade	SAE J300	15W-40
Density @ 15°C	DIN 51757	0.8653 g/cm <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042-04	100.2 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	13.94 mm <sup>2</sup> /s
Apparent Viscosity by MRV @ -25°C	ASTM D4684	24640 mPas
Apparent Viscosity by CCS @ -20°C	ASTM D5293	6350 mPas
Viscosity Index	DIN ISO 2909	141
High Temp High Shear (HTHS) @150°C	ASTM D5481	4.1 mPas
Pour Point	DIN ISO 3016	-33°C
Flash Point	DIN ISO 2592	230 °C
Evaporation Loss (Noack)	ASTM 5800B	9.5%
Total Base Number (TBN)	DIN ISO 3771	7.5 mg KOH/g

### Application

Recommended for:

- Gasoline and diesel engines with and without turbochargers.
- Passenger cars, SUVs, and light commercial vehicles.
- High-performance engines requiring ACEA A3/B4 and API SL/CF standards.
- Engines operating under severe conditions such as stop-and-go traffic and extended highway cruising

### Meets and Exceeds

**Meets:**

- API: SL/CF
- ACEA: A3/B3, A3/B4

**Approvals:**

- MB 229.1
- VW 501 01 / 505 00
- Fiat 9.55535-D2 / 9.55535-G2
- PSA B71 2295



## Health & Safety, Environment

- Prolonged contact with used oil may cause skin irritation. Always wash exposed skin with soap and water.
- Dispose of used oil at authorized collection points. Do not discharge into drains, soil, or watercourses.
- Refer to the Safety Data Sheet (SDS) for complete handling guidelines.

## Storage and Handling

- Store in a cool, dry place away from direct sunlight and heat.
- Drums should be kept horizontally to prevent water ingress.
- Avoid storage temperatures above 60°C or below freezing conditions.

