

## STÄRK Semi Synthetic Gasoline Engine Oil SAE 5W30 SL/CF

### Product Description

**STÄRK 5W-30 SL/CF** is a premium-grade Semi synthetic technology engine oil designed to meet the demanding requirements of gasoline and diesel engines. Formulated to deliver exceptional performance under a variety of operating conditions, this oil ensures engine cleanliness, wear protection, and long engine life. Its advanced additive technology and low-friction properties make it ideal for vehicles equipped with turbochargers, catalytic converters, and modern emission control systems.

### Performance Benefits

- **Wear Protection:** Superior resistance against wear for prolonged engine life.
- **High Engine Cleanliness:** Prevents the formation of harmful sludge and deposits.
- **Fuel Economy:** Low-friction formula reduces fuel consumption and emissions.
- **Wide Compatibility:** Suitable for gasoline and diesel engines without diesel particulate filters (DPFs).
- **Temperature Performance:** Excellent cold start-up protection and high-temperature stability.
- **OEM Approvals:** Trusted by leading vehicle manufacturers for reliability and performance.

### Health & Safety, Environment

- Avoid prolonged or repeated contact with used oil. Wash skin thoroughly with soap and water.
- Do not discharge used oil into drains, soil, or water. Dispose of used oil at authorized collection points.
- Refer to the Safety Data Sheet (SDS) for more detailed handling and disposal guidelines.

### Storage and Handling

- Store under cover to protect against moisture and contamination.
- Avoid exposure to direct sunlight, freezing temperatures, and extreme heat (storage temperatures should not exceed 60°C).
- Containers should be kept tightly closed when not in use.

### Application

**STÄRK 5W-30 SL/CF** is suitable for:

- Older engine technologies.
- Gasoline and diesel engines in passenger cars, SUVs, vans, and light trucks.
- Engines without DPFs.
- Driving conditions including urban traffic, highway cruising, and severe operating conditions.
- Standard oil drain intervals up to 8,000 km or one year (consult vehicle manufacturer for specifics).

### Meets and Exceeds

#### Meets

- API: SL/CF
- ACEA: A3/B4, A5/B5
- ILSAC: GF-3

#### Approvals

- Mercedes-Benz: MB 226.5, MB 229.3 (vol. 2016), MB 229.5
- Opel: GM-LL-B-025
- Renault: RN 0710/0700
- Volkswagen: VW 502.00 / 505.00
- BMW: Longlife-01
- Ford: WSS-M2C 913-D
- Jaguar/Land Rover: STJLR.03.5003



## Typical Properties

Property	Test Method	Value
Viscosity Grade	SAE J300	5W-30
Density @ 15°C	DIN 51757	0.8545 g/cm <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042-04	70.36 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	11.51 mm <sup>2</sup> /s
Viscosity, MRV @ -35°C	ASTM D4684	25,300 mPas
Viscosity, CCS @ -30°C	ASTM D5293	6150 mPas
Viscosity Index	DIN ISO 2909	158
High Temp High Shear (HTHS)	ASTM D5481	3.1 mPas
Pour Point	DIN ISO 3016	-36°C
Flash Point	DIN ISO 2592	222 °C
Evaporation Loss (Noack)	ASTM 5800B	11.5%
Total Base Number (TBN)	DIN ISO 3771	7.5 mg KOH/g

