



Product Name: KLÄRON SAE 20W-50 API SL/CF

Viscosity Grade: SAE 20W-50

Quality Level: Mineral

API Service: SL/CF

Recommended for: Vehicles with over 100,000 km mileage, or any engine requiring this specification or earlier.

Application: Recommended for old gasoline and diesel engines, including turbocharged systems.

Drain Interval: Up to 5,000 Km

Product Overview

KLÄRON SAE 20W-50 API SL/CF is a high-performance mineral oil designed to provide superior engine protection and cleanliness. Its advanced additive technology ensures extended oil life and optimal engine performance, even in extreme operating conditions.

Application

- Gasoline and diesel engines, with or without turbochargers.
- Suitable for vehicles operating with unleaded fuel, diesel, or LPG.
- Recommended for city, highway, and heavy-duty conditions across all seasons.
- Perfect for engines with high mileage or under high-stress conditions.

Performance Benefits

- **Robust Wear Protection:** Reduces internal friction, extending engine life.
- **Exceptional Engine Cleanliness:** Prevents sludge and deposit formation for long-term reliability.
- **Thermal Stability:** Maintains performance under high operating temperatures.
- **Cold-Start Performance:** Quick lubrication ensures minimal engine wear at start-up.
- **High Viscosity Index:** Stable performance across varied temperature ranges.
- **Anti-Corrosion Properties:** Protects engine components from rust and degradation.
- **Catalytic Converter Compatibility:** Fully compatible with modern emission control systems.

Performance Levels / Approvals:

Meets:

- **API:** SL/CF
- **ACEA:** A3/B3

Approvals:

- **VW:** 501 01 / 505 00
- **MB:** 229.1 (V 2012.2)
- **RN:** 0710/0700





Typical Properties

Property	Method	Typical Value
Viscosity Grade	SAE J300	20W-50
Density @ 15°C	ASTM D 1500	0.8876B g/cm ³
Kinematic Viscosity @ 40°C	ASTM D7042-04	163.9 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	18.15 mm ² /s
Apparent Viscosity by CCS @ -15°C	ASTM D5293	8750 mPas
Viscosity Index	DIN ISO 2909	123
High Temp High Shear (HTHS)	ASTM D5481	4.5 mPas
Pour Point	DIN ISO 3016	-24 °C
Flash Point	DIN ISO 2592	235°C
Evaporation Loss (Noack)	ASTM 5800B	8.50 %
Total Base Number (TBN)	DIN ISO 3771	7.50 mg KOH/g

Health, Safety, and Environmental Information:

- Avoid prolonged contact with used oil. Wash skin thoroughly with soap and water after handling.
- Do not release used oil into drains or the environment. Dispose of responsibly at authorized collection points.
- Refer to the Safety Data Sheet (SDS) for detailed guidelines on safe handling and disposal.

Storage and Handling:

- Store under cover to avoid contamination.
- Protect from direct sunlight, extreme temperatures, and moisture.
- Maintain storage temperature between -10°C and 60°C.

