



**Product Name:** KLÄRON SAE 10W-40 API SL/CF

**Viscosity Grade:** SAE 10W-40

**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.

**Drain Interval:** Up to 5,000 Km

## Product Overview

**KLÄRON SAE 10W-40 API SL/CF Mineral Engine Oil** is a high-quality lubricant engineered for modern and older gasoline and diesel engines. It provides outstanding wear protection, high engine cleanliness, and excellent lubrication under all operating conditions. Designed for vehicles with or without turbochargers and catalytic converters, it ensures superior thermal stability and consistent performance for extended engine life.

## Application

- Gasoline and diesel engines, including turbocharged systems.
- Vehicles operating in extreme urban traffic, highway conditions, and high temperatures.
- Suitable for high-mileage vehicles over 100,000 km

## Performance Benefits

- **Superior Wear Protection:** Prevents damage to engine components under high stress.
- **Clean Engine Technology:** Minimizes sludge and deposit build-up, ensuring efficient performance.
- **Thermal Stability:** Resists viscosity breakdown at high temperatures.
- **Cold-Start Performance:** Delivers immediate lubrication in low-temperature conditions.
- **Fuel Economy:** Reduces internal friction, enhancing engine efficiency.
- **Shear Stability:** Maintains consistent performance under heavy loads.

## Performance Levels / Approvals:

- **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	Method	Typical Value
Viscosity Grade	SAE J300	10W-40
Density @ 15°C	DIN 51757	0.8645 g/cm <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042-04	87.78 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042-04	12.98mm <sup>2</sup> /s
Apparent Viscosity by CCS @ -25°C	ASTM D5293	6280 mPas





Viscosity Index	DIN ISO 2909	147
High Temp High Shear (HTHS)	ASTM D5481	3.8 mPas
Pour Point	DIN ISO 3016	-33°C
Flash Point	DIN ISO 2592	230°C
Evaporation Loss (Noack)	ASTM 5800B	11.0%
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 protect against moisture contamination.
- Avoid storage above 60°C or below freezing temperatures.
- Keep packaging tightly closed when not in use to prevent contamination.

