



Product Name: SCHÜTZ SAE 20W50 API CI-4/SL

Viscosity Grade: SAE 20W50

Quality Level: Semi Synthetic

API Service: CI-4/SL

Recommended for: Wide range of heavy-duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries and any engine require the same oil specifications.

Application: Recommended duty diesel engines.

Drain Interval: Up to 20,000 Km

Product Overview

SCHÜTZ SAE 20W50 API CI-4/SL is a premium semi-synthetic diesel engine oil designed for high-performance applications in both heavy and light-duty vehicles. It delivers robust protection for turbocharged and naturally aspirated diesel engines operating in demanding conditions. The advanced formulation provides exceptional wear resistance, deposit control, and thermal stability, ensuring long-lasting engine performance and extended oil life.

Application

Recommended for:

- High-speed 4-stroke diesel engines, turbocharged or naturally aspirated
- Trucks, buses, light commercial vehicles (LCVs), SUVs, agricultural machinery, and construction equipment
- Engines requiring API CI-4, CH-4, or ACEA E7 performance levels.

Performance Benefits

- **Advanced Deposit Control:** Effectively reduces soot, sludge, and varnish formation, keeping engines clean.
- **Superior Wear Protection:** Protects critical engine components under high stress and load conditions.
- **Oxidation Stability:** Resists breakdown at elevated temperatures, extending drain intervals.
- **High TBN Reserves:** Neutralizes acids formed during combustion, preventing corrosion and maintaining engine cleanliness.
- **Wide Compatibility:** Suitable for engines equipped with Exhaust Gas Recirculation (EGR) systems and older engine designs.
- **All-Weather Performance:** Excellent viscosity retention across a wide temperature range ensures smooth operation in varied climates.

Meets and approvals:

Meets

- API CI-4/SL
- API CH-4/SJ
- ACEA E3-96
- ACEA B3-96
- ACEA E7-22





Approvals

- DTFR 15B110 (MB 228.3)
- MAN 3275
- Caterpillar ECF-2

Heavy-duty engines operating under extreme conditions

Hydraulic systems and torque converters where engine oils are specified

Typical Properties

Property	Method	Unit	Typical Value
Appearance	Visual	-	Amber
Density @ 15°C	ASTM D4052	g/cm ³	0.8775
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	163.8
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	19.14
Viscosity Index	ASTM D2270	-	133
Pour Point	ASTM D97	°C	-27
Flash Point (COC)	ASTM D92	°C	240
Total Base Number (TBN)	ASTM D2896	mg KOH/g	11.12
Sulfated Ash	ASTM D874	% wt	1.15
Cold Cranking Simulator (CCS) @ -15°C	ASTM D5293	mPa.s (cP)	7550

Health, Safety, and Environmental Information:

- Avoid prolonged or repeated contact with used oil.
- Wear protective gloves and wash hands thoroughly with soap and water after handling.
- Do not dispose of used oil in drains or the environment. Take it to an authorized used oil collection point.

Storage and Handling:

- Store under cover to avoid exposure to weather.
- Drums should be laid horizontally to prevent water ingress and preserve drum markings.
- Avoid storage above 60°C, prolonged exposure to sunlight, or freezing conditions.

