



Product Name: SCHÜTZ SAE 0W40 API CK-4/SN

Viscosity Grade: SAE 0W40

Quality Level: Fully Synthetic

API Service: CK-4/SN

Recommended for: Engines equipped with DPF, EGR, SCR systems, and engines requiring this oil grade and performance

Application: Modern diesel engines for on-road and off-road operations

Drain Interval: Up to **40,000 Km** or as recommended by the vehicle manufacturer

Product Overview

SCHÜTZ SAE 0W40 API CK-4/SN is a fully synthetic, high-performance diesel engine oil formulated to provide outstanding wear protection and engine cleanliness under severe driving conditions. Its wide temperature range and robust base oils ensure optimal lubrication at cold start and during high-temperature operations. Specifically engineered for new-generation diesel engines with advanced emission control systems such as DPF, SCR, and EGR, SCHÜTZ SAE 0W40 API CK-4/SN also offers backward compatibility for older engines, making it suitable for mixed fleets operating in demanding climates or terrain.

Application

- Heavy-duty diesel engines meeting Euro V/VI emissions regulations
- Trucks, buses, off-road construction, agricultural and mining equipment
- Engines equipped with DPF, SCR, EGR, and DOC after-treatment systems
- Suitable for fleets requiring cold weather starting and protection
- Compatible with biodiesel blends and designed for API CK-4 specifications

Performance Benefits

- **Wider Temperature Operation:** Delivers instant flow in extreme cold and protection in extreme heat
- **Fuel Efficiency:** Advanced low-friction formula contributes to lower fuel consumption
- **Soot and Deposit Control:** Keeps pistons and vital components clean for longer engine life
- **Emission System Protection:** Low-SAPS additive system minimizes clogging in DPF and SCR
- **High Shear Stability:** Maintains viscosity under high-load, high-shear operating conditions
- **Extended Drain Capability:** Advanced base oils and additives allow for extended oil drain intervals

Performance Specifications:

Meets & Exceeds:

- **API:** CK-4 / SN
- **ACEA:** E4, E8, E11

OEM Approvals:

- MB 228.5 / MB 228.51
- Volvo VDS-4.5
- Mack EOS-4.5
- Renault RLD-3





- MAN M3377
- MTU Type 3.1
- DQC IV-18 LA
- Caterpillar ECF-3
- Cummins CES 20086
- DDC 93K222
- Scania LDF-4

Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	SAE J300	–	0W-40
Density @ 15°C	ASTM D4052	g/cm ³	0.846
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	87.50
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.20
Viscosity Index	ASTM D2270	–	175
Pour Point	ASTM D97	°C	-45
Flash Point	ASTM D92	°C	232
Sulfated Ash	ASTM D874	% wt	0.98
TBN	ASTM D2896	mg KOH/g	10.5
Noack Volatility	CEC L-40-A-93	% loss	9.2
Cold Cranking Viscosity	ASTM D5293	mPa·s	6000 @ -35°C

Storage, Care and Handling:

- Avoid prolonged skin contact. Wash thoroughly after handling.
- Dispose of used oil in compliance with local environmental regulations
- Store in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid water contamination and ensure the container is sealed after use.
- Follow environmental regulations for proper disposal of used oil.

Safety & Environment:

- Fully compliant with global safety regulations.
- GHS-compliant Safety Data Sheets (SDS) available upon request.
- Always recycle used oil responsibly at authorized collection points

