



Product Name: SCHÜTZ SAE 5W30 API CK-4/SN

Viscosity Grade: SAE 5W30

Quality Level: Fully Synthetic

API Service: CK-4/SN

Recommended for: For vehicles with DPF, EGR, and SCR systems and any engine required same oil specification.

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

Product Overview

SCHÜTZ SAE 5W30 API CK-4/SN is a fully synthetic, heavy-duty diesel engine oil designed with advanced low-SAPS technology. It ensures exceptional engine cleanliness, outstanding wear protection, and superior performance under severe operating conditions. Engineered for modern low-emission diesel engines equipped with advanced after-treatment systems like DPF, DOC, SCR, and EGR, it is also compatible with older diesel engines. SCHÜTZ SAE 5W30 API CK-4/SN supports fuel economy, enhances durability, and extends oil drain intervals.

Application

- Modern heavy-duty diesel engines meeting Euro V/VI emission standards.
- Engines equipped with Diesel Particulate Filters (DPFs) and Selective Catalytic Reduction (SCR) systems.
- Suitable for both on-road vehicles (long-haul trucks and buses) and off-road equipment (construction, mining, and agriculture).
- Compatible with biodiesel fuel formulations and vehicles requiring API CK-4 performance.

Performance Benefits

- **Fuel Efficiency:** Enhances fuel economy through low-friction and low-viscosity formulation.
- **Extended Oil Drain Intervals:** Designed to support long service intervals while maintaining engine performance.
- **Cold Start Protection:** Exceptional low-temperature performance ensures fast lubrication at startup, reducing engine wear.
- **Wear and Corrosion Resistance:** Protects critical engine components against wear, sludge, and acid-related corrosion.
- **Emission System Durability:** Low-SAPS formulation minimizes deposits in DPF and SCR systems.
- **Engine Cleanliness:** Superior detergent and dispersant properties prevent soot and deposit build-up.

Meets and approvals:

Meets:

- **ACEA Specifications:** E4, E6, E7, E9.
- **API Standards:** CK-4, SN

OEM Approvals:

- DTRF 15C110 (MB 228.51)





- MB 228.5
- Volvo VDS 3/4.5
- Mack EOS-4.5/EO-N
- Renault RLD-3
- MTU 3.1
- DQC IV-18
- Caterpillar ECF-3
- MAN M2377/M3377
- CES 20086
- DDC 93K222
- Scania LDF-4

Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	SAE J300	-	5W-30
Density @ 15°C	ASTM D4052	g/ml	0.8465
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	69.36
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	12.18
Viscosity Index	ASTM D2270	-	173
Pour Point	ASTM D97	°C	-39
Flash Point	ASTM D92	°C	230
Sulfated Ash	ASTM D874	% wt	0.46
TBN	ASTM D2896	mg KOH/g	10.12
Noack Volatility	CEC L-40-A-93	% Loss	9.50
Cold Cranking Viscosity	ASTM D5293	mPa.s (cP)	5500 @ -30°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

