



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

**Viscosity Grade:** SAE 20W50

**Quality Level:** Semi Synthetic

**API Service:** CH-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 gasoline and diesel engines

**Drain Interval:** Between 8000 to 12000 Km or as recommended by the vehicle manufacturer.

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## Product Overview

SCHÜTZ SAE 20W50 API CH-4/SL is a high-performance mineral diesel engine oil designed to deliver reliable protection and enhanced efficiency for both turbocharged and naturally aspirated diesel engines. It ensures superior engine cleanliness, exceptional wear protection, and stable performance under the toughest operating conditions.

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## Application

- Ideal for high-speed 4-stroke diesel engines with varied fuel qualities.
- Recommended for naturally aspirated and turbocharged diesel engines in trucking, construction, mining, and agriculture.
- Suitable for vehicles requiring long oil drain intervals and enhanced engine protection under severe operating conditions.

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## Performance Benefits

- **Enhanced Oxidation Stability:** Prevents sludge and deposit formation, ensuring engine cleanliness.
- **Superior Shear Stability:** Maintains optimal viscosity under thermal and mechanical stress, reducing wear.
- **High TBN Reserve:** Effectively neutralizes acids, ensuring prolonged oil life.
- **Advanced Detergency and Dispersancy:** Minimizes soot accumulation for extended engine protection.
- **Wide Application Range:** Suitable for turbocharged and naturally aspirated diesel engines across various industries.

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## Meets and approvals:

- API CH-4/SL
- ACEA E7-22
- MB 228.1
- MAN 3275
- Caterpillar ECF-1a





## Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	-	-	20W-50
Density @ 15°C	ASTM D4052	g/ml	0.8765
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	163.5
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	19.11
Viscosity Index	ASTM D2270	-	133
Pour Point	ASTM D97	°C	-30
Flash Point (PMCC)	ASTM D93	°C	248
Sulfated Ash	ASTM D874	% wt	1.05
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.15

## 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.

