



Product Name: GÄNZ SAE 0W-16 API SQ

Viscosity Grade: SAE 0W-16

Quality Level: Advanced Full - Synthetic

API Service: API SQ-RC (Resource Conserving)

Recommended for: Latest API SQ , ILSAC GF-7 B standard where fuel economy and CO2 reduction are important

OEM Approvals: : API SQ, API SQ Resource Conserving, API SP, API SP Resource Conserving, ILSAC GF-7B, JASO GLV-2

Drain Interval: Up to 20 ,000 Km

Description:

GÄNZ SAE 0W-16 API SQ is a premium, next-generation, fully synthetic low-viscosity engine oil designed for modern gasoline engines. It exceeds API SQ standards, offering **exceptional LSPI protection**, superior fuel economy, catalyst compatibility, and enhanced engine cleanliness. The bi-synthetic (PAO + esters) formulation ensures outstanding performance in hybrid and non-hybrid vehicles.

Features & Benefits:

- **LSPI Protection:** Advanced formulation eliminates Low-Speed Pre-Ignition, safeguarding turbocharged direct-injection engines.
- **Superior Fuel Economy:** Ultra-low viscosity and reduced HTHS provide remarkable fuel savings and lower CO2 emissions.
- **Enhanced Engine Cleanliness:** Minimizes piston deposits and sludge while maintaining engine cleanliness during extended drain intervals.
- **Cold-Start Excellence:** Exceptional fluidity ensures fast oil flow, reducing wear during extreme cold starts.
- **Catalyst Compatibility:** Optimized additive package prevents catalyst fouling for cleaner emissions.
- **Prolonged Engine Life:** Ester-based components enhance wear protection, even under high temperatures and start-stop driving.

Applications:

- Recommended for gasoline engines requiring API SQ / ILSAC GF-7B or lower performance levels.
- Ideal for hybrid vehicles (HEV and PHEV) and suitable for non-hybrid engines requiring SAE 0W-16 viscosity.
- Compatible with turbocharged and naturally aspirated engines, both direct and indirect injection.
- Recommended for brands like **Toyota, Honda, Subaru, Nissan, Mazda, Mitsubishi, Lexus, Suzuki**, and others.





Meets & Approvals:

Meets :

- API SQ .
- API SQ Resource Conserving .
- API SP .
- API SP Resource Conserving .
- ILSAC GF-7B .
- JASO GLV-2 .

Typical Properties:

Property	Method	Value
Appearance	visual	Bright and clear
Density @ 15°C g/cm ³	ASTM D4052	0.8356 mm ² /s
Viscosity @ 40°C	ASTM D445	37.34 mm ² /s
Viscosity @ 100°C	ASTM D445	7.318 mm ² /s
Viscosity Index	ASTM D2270	165
Pour Point	ASTM D5950	-48°C
Flash Point	ASTM D92	225°C
TBN , mg KOH/g	ASTM D2896	7.35
Noack volatility , evaporation loss , 1hr @250°C , %	ASTM D 5800	12.5
Apparent viscosity by MRV @-40 °C , Cp	ASTM D 4684	18600
Apparent viscosity by CCS @-35 °C , Cp	ASTM D5293	5240
HTHS Viscosity @ 150°C	ASTM D4741	2.36 mPa.s

Performance Highlights:

- Outperforms API SQ standards in fuel economy, LSPI prevention, and wear protection.
- Ensures exceptional durability and performance in extreme operating conditions.
- Approved for extended drain intervals with minimal oil consumption.

Storage & Handling:

- Store in a cool, dry place away from direct sunlight.

Refer to the Material Safety Data Sheet (MSDS) for safety and handling guidelines.

