



**Product Name:** GÄNZ SAE 0W-8 API SQ  
**Viscosity Grade:** SAE 0W-8  
**Quality Level:** Advanced Full-Synthetic  
**API Service:** API SQ-RC (Resource Conserving)  
**OEM Approvals:** API SQ / SP / SP-RC, ILSAC GF-7B, JASO GLV-2  
**Drain Interval:** Up to 20,000 km

## Application:

Designed for modern **gasoline and hybrid engines**, GÄNZSAE 0W-8 is optimized for maximum fuel efficiency and ultra-low emissions. Suitable for vehicles requiring SAE 0W-8 lubricants under **API SQ and ILSAC GF-7B**.

## Description:

**GÄNZ SAE 0W-8 API SQ** is an advanced full-synthetic engine oil developed for next-generation fuel-efficient vehicles including **Hybrid Electric Vehicles (HEVs)** and **Plug-in Hybrid Electric Vehicles (PHEVs)**. Formulated with a bi-synthetic base (PAO + Esters) and high-performance additives, it meets the latest industry standards such as **API SQ, ILSAC GF-7B, and JASO GLV-2**.

This ultra-low-viscosity oil offers:

- Excellent **low-speed pre-ignition (LSPI) protection**
- Superior **fuel economy** through minimized friction
- Extended **catalyst life** and cleaner engine operation
- Exceptional **cold start performance** even in extreme conditions
- Consistent **thermal and oxidation stability** for extended drain intervals

Recommended for:

- Honda, Toyota, Nissan, Lexus, Mazda, Subaru, Mitsubishi, and other OEMs
- Engines requiring 0W-8 or 0W-16 where backward compatibility is allowed
- Stop-start urban driving conditions where high-performance and low viscosity are essential

## Typical Properties:

Property	Method	Typical Value
<b>Appearance</b>	Visual	Bright and clear
<b>Density @ 15°C (g/cm<sup>3</sup>)</b>	ASTM D4052	0.835
<b>Viscosity @ 40°C (mm<sup>2</sup>/s)</b>	ASTM D445	33 – 36
<b>Viscosity @ 100°C (mm<sup>2</sup>/s)</b>	ASTM D445	5.9 – 6.5





Viscosity Index	ASTM D2270	≥170
HTHS @ 150°C (mPa·s)	ASTM D4683 or D4741	1.7 – 1.9
Pour Point (°C)	ASTM D5950	-50°C
Flash Point (°C)	ASTM D92	≥220°C
Noack Volatility (%)	ASTM D5800	≤12.0
CCS @ -35°C (cP)	ASTM D5293	≤6000
MRV @ -40°C (cP)	ASTM D4684	≤18,000
TBN (mg KOH/g)	ASTM D2896	6.0 – 7.5


## Performance Highlights:

- Outperforms **API SQ** and **GF-7B** in:
  - Fuel economy
  - Wear protection
  - LSPI prevention
  - Emission system compatibility
- Ideal for long-drain intervals in **low-viscosity, high-efficiency** engines
- Excellent **thermal and oxidative stability** even in extreme conditions
- Optimized to **reduce carbon footprint** and support eco-driving

## Applications:

- Recommended for **API SQ / API SP-RC / ILSAC GF-7B** where **SAE 0W-8** is specified
- Ideal for:
  - **Hybrid engines (HEV, PHEV)**
  - **Turbocharged Gasoline Direct Injection (TGDI)**
  - **High-efficiency, low-emission engines**
- Compatible with major OEMs including:
  - **Honda, Toyota, Lexus, Nissan, Mazda, Subaru, Mitsubishi**

## Meets & Approvals:

-  **API SQ**
-  **API SP / SP Resource Conserving**
-  **ILSAC GF-7B**
-  **JASO GLV-2**
- Backward compatible with **API SP, GF-6B, and GF-5** (when allowed by OEM)





## Storage & Handling:

- Store below 45°C in original, sealed containers
- Protect from moisture, dust, and direct sunlight
- Do not mix with other engine oils unless recommended
- Refer to **SDS** for full safety and handling information

