

KRÄFT Fully Synthetic Engine Oil SAE 0W12 SQ-ILSAC GF-7B

Product Description

KRÄFT SAE 0W-12 API SQ is a cutting-edge, 100% full-synthetic engine oil formulated for modern, high-efficiency gasoline and hybrid engines. Developed with PAO + ester base oil technology and enhanced with next-generation additive chemistry, this ultra-low-viscosity oil surpasses API SQ and ILSAC GF-7B performance requirements.

It ensures:

- Superior fuel economy gains through friction reduction
- Outstanding LSPI protection for TGDI engines
- Cleaner engine performance and low volatility
- Excellent cold temperature flowability
- Long-lasting protection across extended drain intervals

Application

Suitable for **API SQ, API SP-RC, and ILSAC GF-7B** performance levels

Developed for:

- HEVs, PHEVs, and fuel-efficient gasoline engines
- Stop-start urban driving
- Turbocharged or naturally aspirated engines

Compatible with OEMs like:

- Toyota, Honda, Nissan, Mazda, Subaru, Mitsubishi, Lexus, Suzuki

Typical Properties

Property	Test Method	Value
Appearance	Visual	Bright and clear
Density @ 15°C (g/cm ³)	ASTM D4052	0.834
Viscosity @ 40°C (mm ² /s)	ASTM D445	32.0 - 35.0
Viscosity @ 100°C (mm ² /s)	ASTM D445	6.1 - 6.5
Viscosity Index	ASTM D2270	≥170
HTHS @ 150°C (mPa·s)	ASTM D4741	2.0 - 2.2
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	6.5 - 7.2

Performance Benefits

- **Ultra-Low Friction Formula:** Improves fuel efficiency and reduces CO₂ emissions in hybrid and eco-engine platforms.
- **LSPI Control:** Prevents Low-Speed Pre-Ignition in modern turbocharged engines, meeting strict SQ standards.
- **Outstanding Cold Start Protection:** Flows instantly at sub-zero temperatures to reduce wear and friction at ignition.
- **Cleaner Engine Performance:** Helps control sludge, varnish, and piston deposits under city driving and idle-stop conditions.
- **Enhanced Catalyst Durability:** Phosphorus-optimized formulation maintains emission system performance.

Meets and Exceeds

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



Performance Highlights

- Meets the needs of next-gen hybrid and eco-focused engines
- Minimizes oil consumption and supports long oil change intervals
- Reduces internal engine friction for maximum fuel economy
- Maintains performance under thermal and oxidative stress

Storage & Handling

- Store in a dry, clean place below 45°C
- Keep sealed and away from direct sunlight
- Avoid contamination from dust or water
- Consult SDS for safety and health details

