

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 10W-40 API SQ

Next-Generation Synthetic Engine Oil | Optimized for Hybrid & Future Vehicle Architectures

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 10W-40 API SQ is a forward-looking fully synthetic engine oil engineered to satisfy the demands of hybrid powertrains and high-efficiency ICE engines operating in harsh desert climates. Features extreme shear stability, ultra-low volatility, and advanced catalyst protection.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
Hybrid Powertrains & Next-Gen Vehicles	12,000 km – 15,000 km (Optimized for frequent stop-start KSA city traffic)
High-Efficiency Eco Fleets	350 – 400 Operating Hours (Uncompromised protection across desert heat)

***Note:** Actual drain intervals may vary depending on vehicle condition, fuel sulfur levels, severe dust exposure, and OEM engine recommendations.

KEY FEATURES & DESERT ADVANTAGES

- ✓ **Hybrid Powertrain Optimization:** Rapid fluid flow engineered for immediate wear protection during frequent engine restarts.
- ✓ **Ultra-Low Volatility:** Minimizes oil evaporative loss under extreme Saudi summer temperatures.
- ✓ **GPF & Catalyst Safety:** Protects Gasoline Particulate Filters and catalytic converters from premature poisoning.
- ✓ **Shear Stability:** Maintains stay-in-grade viscosity throughout severe high-load operation.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	10W-40
Kinematic Viscosity @ 100°C	ASTM D445	cSt	14.80
Kinematic Viscosity @ 40°C	ASTM D445	cSt	94.50
Viscosity Index (VI)	ASTM D2270	-	164
Density @ 15°C	ASTM D4052	g/cm ³	0.858
Flash Point (COC)	ASTM D92	°C	234
Pour Point	ASTM D97	°C	-39
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.8
Apparent Viscosity (CCS) @ -30°C	ASTM D5293	mPa.s (cP)	5,200
Sulfated Ash Content	ASTM D874	% wt	0.75
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.5

PERFORMANCE SPECIFICATIONS & STANDARDS

- API Service Category: SQ (Next-Gen Performance Grade)
- SASO / GSO Standards Compliant (Saudi Standards, Metrology and Quality Organization)