

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 0W-30 API SQ

Next-Gen Fully Synthetic Engine Oil | Exceptional Hybrid Protection & Low-SAPS Safety

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 0W-30 API SQ is a next-generation fully synthetic engine oil engineered for high-performance hybrid vehicles and modern passenger engines operating in desert environments. Features ultra-low NOACK volatility, extreme shear stability, and low-SAPS aftertreatment system compatibility.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
High-Output Hybrids & Performance Vehicles	12,000 km – 15,000 km (Optimized for extreme KSA climate cycles)
Next-Gen High-Efficiency Engines	350 – 400 Operating Hours (Uncompromised protection)

***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 System Optimized:** Protects against rapid cold start-ups and frequent engine stop-start transitions.
- ✓ **Exhaust Protection (Low-SAPS):** Preserves catalytic converters and Gasoline Particulate Filters from contamination.
- ✓ **Ultra-Low Volatility Rate:** Exhibits minimal evaporation loss even under prolonged peak ambient heat (>45°C).
- ✓ **Maximum Shear Resistance:** Maintains strong lubricating film under extreme mechanical shear and speed.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	0W-30
Kinematic Viscosity @ 100°C	ASTM D445	cSt	11.50
Kinematic Viscosity @ 40°C	ASTM D445	cSt	54.80
Viscosity Index (VI)	ASTM D2270	-	188
Density @ 15°C	ASTM D4052	g/cm ³	0.844
Flash Point (COC)	ASTM D92	°C	234
Pour Point	ASTM D97	°C	-48
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.6
Apparent Viscosity (CCS) @ -35°C	ASTM D5293	mPa.s (cP)	4,400
Sulfated Ash Content	ASTM D874	% wt	0.73
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.1

PERFORMANCE SPECIFICATIONS & STANDARDS

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