

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 5W-30 API SQ

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

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 5W-30 API SQ is a flagship fully synthetic engine oil specifically engineered for the latest generation of hybrid electric vehicles (HEV/PHEV) and modern high-efficiency engines operating under extreme summer heat in Saudi Arabia. Delivers instant fluid film delivery, ultra-low volatility, and outstanding stay-in-grade shear stability.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
Hybrid Vehicles & Next-Gen Architectures	12,000 km – 15,000 km (Optimized for frequent stop-start KSA traffic)
High-Efficiency Modern 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 System Optimization:** Formulated to withstand thermal cycling and frequent engine restarts inherent in hybrid vehicles.
- ✓ **Emissions Catalyst Safety:** Low-SAPS technology preserves GPF and catalytic converter performance over extended lifespans.
- ✓ **Extreme Evaporative Control:** Ultra-low NOACK rating minimizes oil breakdown and consumption in temperatures > 45°C.
- ✓ **Shear Stability:** Maintains optimal oil viscosity under heavy engine load and sustained highway speeds.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	5W-30
Kinematic Viscosity @ 100°C	ASTM D445	cSt	10.80
Kinematic Viscosity @ 40°C	ASTM D445	cSt	60.00
Viscosity Index (VI)	ASTM D2270	-	172
Density @ 15°C	ASTM D4052	g/cm ³	0.849
Flash Point (COC)	ASTM D92	°C	230
Pour Point	ASTM D97	°C	-45
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.6
Apparent Viscosity (CCS) @ -35°C	ASTM D5293	mPa.s (cP)	4,900
Sulfated Ash Content	ASTM D874	% wt	0.75
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.6

PERFORMANCE SPECIFICATIONS & STANDARDS

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