

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 5W-40 API SQ

Next-Generation Fully Synthetic Motor Oil | Advanced Hybrid & Heavy-Duty Performance

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 5W-40 API SQ is a next-generation fully synthetic engine oil engineered for modern high-output hybrid powertrains and heavy-duty passenger vehicles operating in severe desert climates. Offers unmatched thermal resistance, ultra-low NOACK volatility, and low-SAPS exhaust system safety.

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 Restart Endurance:** Maintains immediate protective film during frequent hybrid stop-start power transitions.
- ✓ **Catalysts & Aftertreatment Protection:** Low-SAPS technology guards GPF and catalytic converters from fouling.
- ✓ **Ultra-Low Volatility:** Minimal oil loss under prolonged exposure to desert ambient temperatures > 45°C.
- ✓ **Superior Shear Hold:** Resists mechanical viscosity shear under high RPM and continuous heavy loading.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	5W-40
Kinematic Viscosity @ 100°C	ASTM D445	cSt	14.80
Kinematic Viscosity @ 40°C	ASTM D445	cSt	84.50
Viscosity Index (VI)	ASTM D2270	-	182
Density @ 15°C	ASTM D4052	g/cm ³	0.848
Flash Point (COC)	ASTM D92	°C	236
Pour Point	ASTM D97	°C	-45
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.7
Apparent Viscosity (CCS) @ -30°C	ASTM D5293	mPa.s (cP)	4,800
Sulfated Ash Content	ASTM D874	% wt	0.74
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.2

PERFORMANCE SPECIFICATIONS & STANDARDS

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