

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 0W-20 API SQ

Next-Generation Fully Synthetic Engine Oil | Advanced Hybrid & Ultra-Low Volatility Performance

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 0W-20 API SQ is a next-generation ultra-low viscosity fully synthetic engine oil engineered for advanced hybrid powertrains and ultra-modern fuel-efficient engines operating in high ambient temperature regions. Features low-SAPS chemistry to protect modern aftertreatment systems and exceptional shear stability.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
Advanced Hybrid Powertrains & Premium Cars	12,000 km – 15,000 km (Optimized for extreme KSA climate cycles)
Next-Gen Eco Fleets & High-Efficiency Units	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 Stop-Start Endurance:** Ensures immediate lubricating film formation during continuous engine restart cycles.
- ✓ **Exhaust Aftertreatment Protection:** Low-SAPS technology guards Catalysts and Gasoline Particulate Filters (GPF).
- ✓ **Ultra-Low Volatility:** Minimal oil consumption during prolonged exposure to ambient temperatures exceeding 45°C.
- ✓ **Unexcelled Shear Stability:** Stays strictly in grade across extended drain intervals without viscosity breakdown.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	0W-20
Kinematic Viscosity @ 100°C	ASTM D445	cSt	8.60
Kinematic Viscosity @ 40°C	ASTM D445	cSt	42.50
Viscosity Index (VI)	ASTM D2270	-	185
Density @ 15°C	ASTM D4052	g/cm ³	0.842
Flash Point (COC)	ASTM D92	°C	230
Pour Point	ASTM D97	°C	-48
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.5
Apparent Viscosity (CCS) @ -35°C	ASTM D5293	mPa.s (cP)	4,500
Sulfated Ash Content	ASTM D874	% wt	0.72
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.8

PERFORMANCE SPECIFICATIONS & STANDARDS

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