

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC NEXTGEN ULTRA SAE 10W-30 API SQ

Next-Generation Fully Synthetic Motor Oil | Advanced Hybrid & Eco-Engine Architecture

PRODUCT DESCRIPTION & APPLICATION

GC NEXTGEN ULTRA SAE 10W-30 API SQ is a next-generation fully synthetic engine oil specifically formulated to meet the requirements of modern hybrid powertrains and eco-efficient vehicle architectures operating in extreme desert climates. Delivers ultra-low volatility, stay-in-grade shear stability, and immediate cold-start oil flow.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
Hybrid Powertrains & Eco-Passenger Vehicles	12,000 km – 15,000 km (Optimized for high-frequency stop-start city driving)
High-Efficiency Fleets & Next-Gen Engines	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 Restart Protection:** Engineered for rapid oil circulation during frequent engine restart cycles in hybrid vehicles.
- ✓ **Catalyst & GPF Safety:** Low ash formulation protects Gasoline Particulate Filters and exhaust treatment systems.
- ✓ **Ultra-Low Volatility:** Minimizes oil consumption under continuous extreme thermal stress exceeding 45°C.
- ✓ **Shear Stability:** Resists mechanical shear to ensure constant viscosity protection over extended drains.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	10W-30
Kinematic Viscosity @ 100°C	ASTM D445	cSt	11.00
Kinematic Viscosity @ 40°C	ASTM D445	cSt	65.00
Viscosity Index (VI)	ASTM D2270	-	162
Density @ 15°C	ASTM D4052	g/cm ³	0.855
Flash Point (COC)	ASTM D92	°C	232
Pour Point	ASTM D97	°C	-40
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.5
Apparent Viscosity (CCS) @ -30°C	ASTM D5293	mPa.s (cP)	4,900
Sulfated Ash Content	ASTM D874	% wt	0.74
Evaporation Loss (NOACK)	ASTM D5800	% wt	8.8

PERFORMANCE SPECIFICATIONS & STANDARDS

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