

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC ULTRA SYNTHETIC SAE 10W-30 API SP

Top-Tier Fully Synthetic Gasoline Motor Oil | LSPI & Fuel Economy Protection for KSA

PRODUCT DESCRIPTION & APPLICATION

GC ULTRA SYNTHETIC SAE 10W-30 API SP is a top-tier fully synthetic engine oil engineered to provide ultimate protection for modern turbocharged direct-injection (TGDI) engines operating under harsh ambient conditions. Formulated to eliminate Low-Speed Pre-Ignition (LSPI) risk while maximizing fuel efficiency and timing chain durability.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
Modern TGDI Passenger Cars & SUVs	10,000 km – 12,000 km (Optimized for severe KSA operating environments)
Hybrid Vehicles & Downsized Engines	300 – 350 Operating Hours (Sustained thermal resistance under 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

- ✓ **LSPI Prevention:** Advanced formulation mitigates Low-Speed Pre-Ignition events in turbocharged direct-injection engines.
- ✓ **Timing Chain Wear Defense:** Enhanced protection against chain stretch and wear across extended oil drain intervals.
- ✓ **Enhanced Fuel Economy:** Provides optimized fuel economy performance complying with ILSAC GF-6A specifications.
- ✓ **High-Temp Oxidation Control:** Maintains thermal stability and prevents sludge formation under peak ambient desert heat.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	10W-30
Kinematic Viscosity @ 100°C	ASTM D445	cSt	10.95
Kinematic Viscosity @ 40°C	ASTM D445	cSt	66.20
Viscosity Index (VI)	ASTM D2270	-	157
Density @ 15°C	ASTM D4052	g/cm ³	0.858
Flash Point (COC)	ASTM D92	°C	228
Pour Point	ASTM D97	°C	-38
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.2
Apparent Viscosity (CCS) @ -30°C	ASTM D5293	mPa.s (cP)	5,300
Sulfated Ash Content	ASTM D874	% wt	0.77
Evaporation Loss (NOACK)	ASTM D5800	% wt	9.5

PERFORMANCE SPECIFICATIONS & STANDARDS

- API Service Category: SP / ILSAC GF-6A
- SASO / GSO Standards Compliant (Saudi Standards, Metrology and Quality Organization)