

PREMIUM LUBRICANTS & AUTOMOTIVE SOLUTIONS

GC ULTRA SYNTHETIC SAE 5W-30 API SP

Top-Tier Fully Synthetic Motor Oil | Advanced LSPI, Turbo & Timing Chain Protection

PRODUCT DESCRIPTION & APPLICATION

GC ULTRA SYNTHETIC SAE 5W-30 API SP is an advanced fully synthetic engine oil engineered to meet the stringent demands of modern downsized, turbocharged gasoline direct-injection (TGDI) engines operating in harsh Middle Eastern desert climates. Provides exceptional protection against LSPI, timing chain wear, and high-temp turbocharger oxidation.

PERFORMANCE & SERVICE DRAIN INTERVALS (SAUDI ARABIA SPECIFICATION)

Application Category	Recommended Service Life / Drain Interval
TGDI, Gasoline Passenger Cars & Crossovers	10,000 km – 12,000 km (Optimized for severe KSA driving conditions)
Hybrid Powertrains & 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 Mitigation Technology:** Completely protects against destructive Low-Speed Pre-Ignition in modern TGDI engines.
- ✓ **Timing Chain Defense:** Prevents timing chain wear and stretch for maintained engine timing and performance.
- ✓ **Maximized Fuel Economy:** Meets ILSAC GF-6A requirements for reduced fuel consumption and CO2 emissions.
- ✓ **Turbo Oxidation Shield:** Provides thermal stability against intense turbocharger operating temperatures.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Property Parameter	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J300	-	5W-30
Kinematic Viscosity @ 100°C	ASTM D445	cSt	10.65
Kinematic Viscosity @ 40°C	ASTM D445	cSt	61.20
Viscosity Index (VI)	ASTM D2270	-	166
Density @ 15°C	ASTM D4052	g/cm ³	0.852
Flash Point (COC)	ASTM D92	°C	226
Pour Point	ASTM D97	°C	-42
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8.2
Apparent Viscosity (CCS) @ -35°C	ASTM D5293	mPa.s (cP)	5,400
Sulfated Ash Content	ASTM D874	% wt	0.78
Evaporation Loss (NOACK)	ASTM D5800	% wt	9.8

PERFORMANCE SPECIFICATIONS & STANDARDS

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