



Advanced Lubricants Technology

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FULLY SYNTHETIC UHR SAE 0W20 API SP/CF, ILSAC GF-5 UHR

Product Data Sheet

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF, ILSAC GF6- LOW FRICTION & TURBO POWER & FUEL ECONOMY

High Performance Premium Fuel Economy Fully Synthetic GII Gasoline Engine Oil with “**UHR™ Technology**”

PRODUCT FEATURES

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY is an advanced fully synthetic GII formulation with the latest “**UHR™ Technology**” additive system. UHR™ Technology improved the overall performance of engine oil and provides excellent low friction, engine cleanliness, oxidation control, strong acid neutralisation capability and long drain capability even at reduced SAPS. It is designed to provide superior engine responsiveness and extends the engine life with its outstanding protection against engine wear and corrosion.

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY provides easy start-up at temperatures as low as -45°C.

At high operating temperatures, **PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY** maintains its lubricity and thermal stability to provide a highly efficient lubricating film to engine parts that prevents sludge formation and oxidation thickening, it is specially formulated for today's sophisticated, high revving, hot running engines.

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY enhances engine performance to attain longer engine life, easy starting, improved power and fuel economy.

APPLICATIONS

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY is designed for use in modern 4,6 & 8+ cylinder, multi cam, multi valve including VVT, naturally aspired, supercharged & turbocharged engines. It can be used in high performance, modern engines for both competition and normal on road use in a wide range of vehicles.

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY is suitable for vehicles that specify the use of **SAE 0W-20** viscosity engine oils in owners handbook. It is also suitable for use in LPG and light duty diesel engines where API CF, ACEA A1/B1 or A5/B5 is recommended. It is NOT suitable for use in diesels fitted with a DPF (Diesel Particulate Filter) and 4 stroke motorcycles with wet clutches.

It's **SHEAR FREE** formulation eliminates viscosity loss during extreme engine operating conditions ensuring the ultimate in protection for your engine.

PERENNIAL FULLY SYNTHETIC UHR SAE 0W20 SP/CF ILSAC GF6 FUEL ECONOMY has been proven in race and competition conditions in engine requiring a high performance fully synthetic engine oil. It is the product of choice for many competitors running competition vehicles in circuit & drag racing, rallying, drifting, hill clim, targa, time trials and regularity.

NOTE : When changing oil, **PERENNIAL** recommend using **PERENNIAL FLUSH EZ** series, fast acting, solvent/solvent free, engine cleaning formulation that removes engine deposits, sludge and contaminations with oil reserve drain. It contains added zinc for engine wear protection and its fast acting formulation works in 10 minutes.

For product safety and handling information, refer to Material Safety Data Sheet.



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SPECIAL PROPERTIES

- ◆ OEM level of quality.
- ◆ Long service life for the engines due to a very high level protection against wear
- ◆ Rapid oil delivery at low temperatures
- ◆ Optimal oil pressure at all engine speeds
- ◆ Tested with catalytic converters and performance proven with turbochargers
- ◆ Stable performance in a wide range of temperatures due to **GIII** base oil.
- ◆ Help to reduce fuel consumption, reduce wear when start-up.
- ◆ Extra cleaning performance to help prevent the formation of sludge and harmful deposits.
- ◆ Keeps your engine running like new.
- ◆ Outstanding thermal and oxidation stability to reduce oil aging allowing extended drain interval protection.
- ◆ Excellent overall lubrication and wear protection performance for all driving styles and conditions High oxidation stability and strong resistance to high and low temperature sludge formation.

PERFORMANCE LEVELS

The performance and environmental characteristics of product exceed most of the requirements of Japanese, European and American automotive manufacturers and meet standards of API, ACEA, Mercedes-Benz, BMW, GM, Renault, Volvo, Toyota, Lexus, Honda, Nissan, Mazda, Daihatsu and etc

- ◆ API SP/CF, SN,ILSAC GF6, ACEA C3-10, BMW Longlife-04, GM Dexos 2, MB p229.51, MB p229.31*, MB p226.5* and Porsche A40*, Renault RN0700*, Renault RN0710*, Ford WSS, Volkswagen 502.00/505.00.
- ◆ ACEA A3/B3-08, ACEA A3/B4-08
- ◆ JASO MA
- ◆ * Viscosity SAE 0W-20 Only.
- ◆ ILSAC GF6

TYPICAL SPECIFICATION

PROPERTY	UNIT	METHOD	SAE 0W-20
			SPECIFICATION
Appearance	-	Visual	Bright & Clear
Colour	-	ASTM D1500	3
Density@15 °C	kg/l	ASTM D4052	0.847
Viscosity at 40°C	cSt	ASTM D445	45.84
Viscosity at 100°C	cSt	ASTM D445	8.625
Viscosity Index	-	ASTM D 2270	169
Flash Point COC	°C	ASTM D 92	Min 215
Total Base Number	mgKOH/g	ASTM D2896	8.20
Pour Point	°C	ASTM D 97	-45
Cold Crank Vis@-30°C	cP	ASTM D5293	6470

* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.