PRINCE® LUBRICANTS

PRODUCT INFORMATION & DATA SHEET

PRINCE® FSR GT Racing

The Ultimate P9 + P12 Double Ester 100% Synthetic Racing Motor Oil.

FSR GT Racing racing motor oils have been proven at international stage at all levels: the GP3 Series, FIA World Endurance Champtionship, GT World Challenge Europe, GT World Challenge Asia, Ginetta GT4 Supercup, King of Europe Drift Pro Series, Caterham Motorsport Championship, etc.

FSR GT Racing has been regularly tested with tuning service partner and attested by professional drivers.

FSR GT Racing meets or even exceeds the performance requirements of ACEA A3/B4, API SN, MB 229.3, MB 229.5, Porsche A40.

FSR GT Racing is a special 100% synthetic high HTHS (High Shear High-Temperature) viscosity motor oil, engineered with the combination of our proprietary P-9 Ester, P-12 Ester and API Group IV Poly-alpha-olefin (PAO) base stocks, then fortified with innovative additive system that are particularly calibrated for extreme-driving applications. The ultimately developed products of FSR GT Racing are guaranteed to maximize engine's **horsepower output without compromising all-round engine protection and environmental protection.**

With P-9 + P-12 Double Ester Formulation

The marvel formula is especially geared to guarantee utmost confident, performance and protection in race, with very high polar and highly shear-stable ester molecular structures that allowed maximum adherence of the lubricating film to elevate comprehensive engine protection, it requires much more energy to vaporize them, giving them higher flash point and lower volatility, thus able to prevent breakdown and degradation due to extreme-heat, reduce oil consumption and maintain optimum motor oil pressure level even under the toughest load. The naturally very high viscosity index (VHVI) characteristic is achieved through our double ester formula, without implementing unnecessary VI modifier and improver agents.

Advantageousness using FSR GT Racing

- **Designed with exceptional friction coefficient to deliver maximum horsepower and torque at all driving modes, with quick engine rpm responsiveness.**
- **Excellent oil flow spread and penetrate much faster into all engine parts to ensure rapid oil pressure build-up and prevent cold-start wear and corrosive damage.**
- **Fortified with race-tuned Tungsten Disulfides and Zinc dithiophosphates offering optimum anti-wear and extreme-pressure capacities to withstand stress damages.**
- **Naturally powerful antioxidant properties and ageing resistance of ester and PAO base stocks prevent additive depletion and retain oil performance within the designated drain interval.**
- **Strengthen with dispersancy performance that offers excellent engine and turbocharger cleanliness by preventing the build-up of high-temperature deposits and sludge.**
- **Tested to avoid the phenomenon of stochastic pre-ignition, or commonly known as** "LSPI" **that are tend to occurred in recent downsized gasoline engines.**

Areas of application

This ultimately engineered racing motor oil is designed for racing gasoline engines with various engine design: naturally aspirated, supercharged, turbocharged, with direct an indirect injection, carburetors. The products are compatible with types of fuels: gasoline, biofuels, CH30H, ethanol (up to E85).

Well suitable for very high-performance vehicles with modified/tuned engines performing over a wide range of rpm and operating temperatures under severely stressed conditions, including the applications in drifting, GT competition, long-hour endurance, rally cross, offroad, touring car, and more race categories.

However, it is not recommended for usual daily street vehicles equipped with catalytic converters.

Typical properties

SAE Viscosity		0W-40	5W-40	5W-50	10W-60
Viscosity Index (VI)	ASTM D2270	192	183	188	187
Viscosity at 100 °C; mm^2/s	ASTM D445	13.8	14.2	17.7	23.5
Viscosity at 40 °C; mm^2/s	ASTM D445	71.6	81.7	106.2	161.9
Density at 20 °C; kg/m^3	ASTM D4052	850.0	855.0	856.0	854.0
HTHS Viscosity at 150 °C; cP	ASTM D5481	4.3	4.2	5.0	5.4
Flash Point; °C	ASTM D92	228	238	240	245
Pour Point; °C	ASTM D97	-51	-48	-46	-43

Service recommendations

Consider the viscosity grade when using any of these FSR GT Racing racing motor oil. Note your vehicle's **owner manual, or, consult your tuning service partner for viscosity selection and suitable service interval. Oil change intervals in racing conditions can widely vary, meaning that an oil change can be done after every circuit day event. For powerful sport car and street vehicle applications, we recommend to replace the motor oil every 3,000 miles.**

Peak performance is guaranteed only upon using alone without mixing with any synthetic and conventional motor oils. Besides, aftermarket additive products are not necessary to be used with our FSR GT Racing.

There is no need to run a special break-in oil before using this product.

Product availability

This product may not be available locally. Contact your local distributor.

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