



SYNTRON 0W-20 SP

Fully Synthetic Modern Generation Engine Oil

(Anti LSPI Technology)

TECHNICAL DATA SHEET

Product Description:

Veedol Syntron 0W-20 SP is fully synthetic modern generation engine oil specially formulated for latest generation high performance passenger cars equipped with turbocharged gasoline direct injection (TGDI), (GDI) and hybrid engines.

Veedol Syntron 0W-20 SP is blended with advanced technology additive system which exceeds the requirement of sequence IX engine test for LSPI (Low Speed Pre-Ignition), critical requirement for performance in TGDI engines and sequence X engine test for timing chain wear which relates to performance in GDI engines.

Veedol Syntron 0W-20 SP is formulated with a proprietary blend of high performance synthetic base oils fortified with a precisely balanced component additive system. The low viscosity, advanced fully synthetic formulation helps to increase engine efficiency and improve fuel economy benefits, while providing outstanding overall engine protection. Veedol Syntron 0W-20 SP exhibits outstanding performance and durability even under very demanding driving conditions, those observed in hybrid and modern generation passenger cars.

Veedol Syntron 0W-20 SP surpass the performance requirements of latest gasoline engine specifications – API SP & ILSAC GF-6 which provides improved high temperature deposit protection for pistons and turbochargers. It has stringent sludge and varnish control & provides improved oxidation stability. Aids better fuel economy and provides enhanced emission control system protection and protection to engines operating on ethanol-containing fuels up to E85.

Performance Specifications:

Meets & exceeds the performance requirement of

- API SP / SN Plus
- ILSAC GF-6A

Features/Benefits:

- Effective protection against LSPI events in TGDI & (GDI) engines throughout the drain interval.
- Enhances fuel economy and improves engine power.
- Outstanding engine and chain wear performance.
- Better sludge and deposit control for improved turbocharger cleanliness and extended service life.
- Stable viscosity provides optimum film thickness at all operating temperature range.
- Excellent thermal and oxidation stability for prolong service life.
- Excellent low temperature properties provides easy cold start and prevents wear.
- Helps to achieve optimum engine performance and ensure protection for longer drain interval.
- Better aeration control and corrosion protection.
- Backward compatible for API SN Plus / SN/ SM performance categories.
- Aid to minimize exhaust emissions.



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Application:

- Recommended for use in TGDI/ GDI/ Hybrid/ DOHC/ VVTi/ Turbocharged, supercharged and all naturally aspirated engines.
- Suitable for use in all modern generation cars such as Toyota, Honda, Suzuki, Hyundai, Kia, Mercedes Benz, BMW, Audi, VW, Fiat, Ford, GM Chrysler etc.

Typical Properties:

Test Parameter	Test Method	Typical Values
Kinematic Viscosity, @ 100 °C, cSt	ASTM D 445	8.0
Viscosity Index	ASTM D 2270	175
Total Base Number; mg KOH/gm	ASTM D 2896	7.2
Flash Point (COC), °C	ASTM D 92	220
Pour Point, °C	ASTM D 97	-42
CCS Viscosity @-35 °C, mPa.s	ASTM D 5293	6100

Properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.