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# SYNTHETIC SAE 5W-40 API SP

## DESCRIPTION:

**Synthetic SAE 5W-40 Motor Oil** provides extra protection against the harmful effects of city driving, where cars undergo a higher stress due to constant stopping and going. Its low friction formula helps improve gas mileage for long engine life and helps protect against rust, corrosion, startup wear, varnish build-up, and eliminates the need for extra oil additives. It also protects against thermal breakdown which helps prevent stuck rings. Specially formulated to protect high compression gasoline direct injection engines from the occurrence of Low Speed Pre-Ignition (LSPI) and Timing Chain Wear.

## FEATURES/BENEFITS:

- Protection against timing chain wear and Low Speed Pre-Ignition (LSPI), a potentially catastrophic phenomena that occurs in GDI (gasoline direct injection) engines
- Advanced protection against rust, corrosion, sludge, varnish, and wear
- Improved thermal stability for smaller and hotter engines
- Lowers friction and improves gas mileage
- Excellent control for long automaker recommended oil change intervals

## APPLICATIONS:

**Synthetic SAE 5W-40 Motor Oil** meets requirements of API SP service. This product is also recommended for older engines, which owner's manual calls for API SN PLUS, SN, SM, SL Service Classifications. Viscosity recommendations vary according to temperature and engine manufacturer.

### Meets Requirements of:

- API SP, SN PLUS, SN, SM, SL

\* ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.

## TYPICAL TEST DATA

SAE GRADE	5W-40
Specific Gravity, (60°F)	0.8540
Viscosity, @ 40°C, cSt	90.8
Viscosity, @ 100°C, cSt	14.9
Viscosity Index	172
Cold Crank, cP at -30°C	5,320
Flash Point, °F	442
Pour Point, °C (°F)	-39 (-38)
Noack Volatility %	9
High Temp/High Shear Visc, cP @150°C	3.9
Color	2.5
Phosphorus, wt%	0.077
Zinc, wt%	0.087

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.