



Fully synthetic petrol engine oil  
**SAE 5W40, API SM**



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### Product Description

G3 Syn-Tec is a Premium performance, SAE 5W-40 multigrade fully Synthetic engine oil formulated from selected Synthetic base fluids and modern high quality matching additive technology. G3 Syn-Tec is designed for use in gasoline engines and light truck diesel engines operating under all service conditions.

G3 Syn-Tec is a new generation product, formulated with reduced levels of metals, phosphorus and sulfur to provide maximum durability of the latest low emission vehicle engine technologies. G3 Syn-Tec engine oil is for use in engines with low / reduced emissions, while providing complete engine protection plus ultimate performance.

### Features and Benefits

- G3 Syn-Tec is formulated with High level of anti-wear additive package that protects against wear and scuffing of highly loaded parts operating under boundary lubrication conditions. This extends engine life to overhaul
- It maintains vehicle fuel economy throughout its operation.
- The exceptional soot dispersancy characteristics keeps fuel soot in suspension, avoiding filter plugging, cylinder head sludge, abrasive bore polishing wear and oil thickening. This minimizes fleet maintenance costs.

- It's excellent oxidation and thermal stability minimizes degradation of the lubricant under severe operating conditions of the equipment
- It is formulated with special high viscosity index base stock with excellent low starting friction that provides exceptional service over a wide temperature range. This enables equipment available even under the most severe service conditions in car racing and severe terrain driving.

### Application

G3 Syn-Tec provides excellent service life to the range of new and old equipments in the following range of applications.

- Naturally aspirated and turbocharged gasoline and diesel engines in passenger cars
- Light truck gasoline engines
- Low emission passenger car and light duty vehicle engines fitted with latest catalytic converter (gasoline) or diesel particulate filter technology
- Passenger car and light duty vehicles designed to meet Euro IV emission standards
- Light vehicle gas-fuelled (natural gas and LPG) spark ignition engines
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils

### Key properties of G3 Syn-Tech

Characteristics	Units	Typical values	Test method	ACEA C3-08 limits
SAE Grade	-	-	5W40	-
Density @ 20 °C	ASTM 4052	kg/L	0.849	-
Viscosity @100 °C	ASTM 445	mm <sup>2</sup> /s	14.1	12.5 - 16.3
Viscosity @ 40 °C	445	mm <sup>2</sup> /s	86.2	-
Viscosity Index	ASTM 2270	-	169	-
TBN	ASTM D2896	mg KOH/g	7.4	-
Flash point (COC)	ASTM D92	°C	>220	-
Pour point	ASTM D97	°C	-36	-
Sulphated ash	ASTM D874	% m	0.79	< 1.0
Calcium	ASTM D 5185	% m	0.18	-
Sulphur	ASTM D 4294	% m	0.21	< 0.3
Nitrogen	ASTM D 5291	% m	0.085	-
Phosphorous	ASTM D 5185	% m	0.08	0.070 - 0.090
Zinc	ASTM D 5185	% m	0.088	-

### Performance standards

- API SM, SL, SJ
- API CF
- ACEA A3/B3/B4-04
- ACEA C3-08
- BMW Longlife-04
- Mercedes-Benz 229.31
- Volkswagen, 502/505/505.01
- Ford M2C 917A
- Porsche
- RN 0700/0710

### Health, Safety and Environment care

Avoid any contact with used oil. If oil is ingested, seek medical advice. Protect the environment by disposing used oil and empty containers in compliance with local regulations.

### Made in Kenya by:

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