

Auto Gold[®] PCMO



Synthetic Blend Gasoline Engine Oil

General Description

Auto Gold[®] PCMO synthetic blend gasoline engine oils are designed to meet the newest and most stringent industry performance standards; API SN, Resource Conserving and ILSAC GF-5. It meets new car warranty requirements and is backward compatible to the older API, ILSAC and OEM performance requirements.

Formulated with a mixture of high quality, high viscosity index, mineral and synthetic base oils and a viscosity index improver for both high temperature protection and low temperature pumpability.

The new and improved additive system has the proper balance of anti-wear, detergents, dispersants, oxidation inhibitors, rust, corrosion and foam inhibitors. It contains friction modifiers to maximize fuel economy and the correct phosphorus level to maximize engine wear protection and emission system protection.

Features and Benefits

- **Resource Conserving:** Exceeds SN/ILSAC GF-5 with improved fuel economy, catalysts protection and emission system durability.
 - **Oxidation Control:** Provides outstanding control of oxidation, volatility, thermal and viscosity breakdown. This reduces oil consumption, sludge, and varnish for a cleaner engine.
 - **Anti-wear Protection:** Contains the maximum level of zinc dialkyl dithio phosphate (ZDDP) to reduce wear, protecting highly loaded engine parts and extending engine life.
 - **Oil Pumpability:** A formulation that pumps oil faster than required to various engine parts during cold start-ups reducing long term wear.
 - **Flex-Fuel Vehicle Compatible:** Meets lubricant requirements when using ethanol containing gasoline up to E-85.
 - **Extended Drain Intervals:** Meets the requirements outlined for the new electronic oil life sensor and the OEM owner manual recommendations.
 - **Warranties:** Exceeds ILSAC GF-5 requirements for new cars under warranty including most American, Asian, and European cars.
- Always follow the manufactures recommendation for viscosity grade and service classification.**

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Industry Performance Standards

Auto Gold PCMO synthetic blend engine oil is a fully tested oil formulated to exceed a variety of gasoline engine specifications and manufacturers' requirements:

- API Service Categories: SN, SM, SL, SJ
- ILSAC GF-5, 4, 3
- API Resource and Energy Conserving
- Meets car manufacturers' warranty requirements for service fill
- Ford WSS M2C930/945-A(5W-20), M2C929/946-A (5W-30), GM 6094M, and Chrysler MS-6395S along with Toyota and Honda service fill

Typical Application

- New and older cars, trucks with naturally aspirated or turbo-charged engines.
- Gasoline/Electric hybrids engines
- Propane fueled engines
- Stationary and off-highway engines

Typical Customer

Owners/operators of gasoline engines in passenger cars, trucks, agricultural, construction, commercial and stationary equipment.

Typical Properties

SAE Grade	5W-20	5W-30	10W-30	30 (1)
API Service	SN	SN	SN	SN
ILSAC	GF-5	GF-5	GF-5	No
Resource Conserving/Energy Conserving	Yes	Yes	Yes	No
API Gravity / lbs.gal	32.5 / 7.18	32.6 / 7.18	31.0 / 7.25	29.3 / 7.33
Flash Point, °C (°F)	220 (429)	220 (429)	228 (440)	228 (440)
Pour Point, °C (°F)	-45 (-49)	-43 (-45)	-40 (-40)	-39 (-38)
Viscosity @40 °C, cSt	49	61	66	98
Viscosity @100°C, cSt	8.5	10.5	10.5	11.5
Viscosity Index	151	163	148	105
CCS Viscosity, cP @ °C	6,000@ -30	6,000@ -30	5500@ -25	-
Viscosity @-30°C, cP (MRV-TP1)(SAE 10W)	—	—	19,000	-
Viscosity @-35°C, cP (MRV-TP1)(SAE 5W)	21,000	25,000	—	-
High Temp/High Shear (HTHS @150°C cP)	2.7	3.1	3.1	-

(1) Auto Gold SAE 30 is an all mineral oil formulation.

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit www.cenex.com.