



Synthetic Blend Gasoline Engine Oil

General Description

Auto Gold® synthetic blend gasoline engine oils are designed to meet the newest and most stringent industry performance standards; API-SQ, Resource Conserving and ILSAC GF-7A. Auto Gold also meets new car warranty requirements and is backward compatible to older API, ILSAC and OEM performance standards.

Auto Gold is formulated with a combination of high quality, mineral and synthetic base oils and a high viscosity index improver for excellent extreme temperature pumpability and anti-wear protection during cold startups.

The new and improved additive system has the proper balance of anti-wear, detergents, dispersants, oxidation inhibitors, rust, corrosion and foam inhibitors. The advanced technology includes friction modifiers to maximize fuel economy and the correct phosphorus levels to minimize engine wear and increase emission system protection.

Features and Benefits

- **Resource Conserving:** Exceeds API SQ/ILSAC GF-7A with improved fuel economy, catalysts protection and emission system durability.
- **Oxidation Prevention and Control:** Provides outstanding oxidation control, prevents volatility, thermal and viscosity breakdown caused by degradation; thus, reducing oil consumption.
- **Anti-wear Protection:** Contains zinc dialkyldithiophosphate (ZDDP) an additive component used to reduce wear, protect highly-loaded engine parts and extend engine life.
- **Oil Pumpability:** Formulated to improve lubrication to critical engine parts which reduces wear during cold temperature startups.
- **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-7A requirements for new cars under warranty including most American, Asian, and European cars.

Always follow your equipment manufacturers' recommendation for viscosity grade and service classification.

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Typical Applications

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

- **Ford:** WSS M2C930/945/960-A(5W-20), M2C929/946/961-A (5W-30), **GM:**6094M and **Chrysler** MS-6395 along with **Toyota** and **Honda** service fill

Typical Customers

- New and older cars, trucks with naturally aspirated or turbocharged engines
- Gasoline/electric hybrids engines
- Propane fueled engines
- Stationary and off-highway engines
- Operators of gasoline engines in passenger cars, trucks, agricultural, construction and commercial equipment

Typical Properties

SAE Grade	5W-20	5W-30	10W-30
API Service	SQ	SQ	SQ
ILSAC	GF-7A	GF-7A	GF-7A
Resource Conserving/Energy Conserving	Yes	Yes	Yes
API Gravity / lbs./gal.	33.5 / 7.14	33.6 / 7.14	32.6 / 7.18
Pour Point, °C (°F)	-45 (-49)	-43 (-45)	-40 (-40)
Viscosity @40°C, cSt	50.5	64.0	66.0
Viscosity @100°C, cSt	8.7	10.8	10.7
Viscosity Index	151	159	151
CCS Viscosity, cP @ °C	5,600 @ -30	5,900 @ -30	4,300 @ -25
Viscosity @-30°C, cP (MRV-TP1)(SAE 10W)	—	—	14,500
Viscosity @-35°C, cP (MRV-TP1)(SAE 5W)	18,600	25,100	—
High Temp/High Shear (HTHS @150°C cP)	2.6	3.0	3.0

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 cenex.com/sds-library.