Cenex® PCMO

Gasoline Engine Oil

General Description

Cenex® PCMO gasoline engine oils are designed to meet API SQ, Resource Conserving and ILSAC GF-7A specifications. Cenex PCMO also meets many new car warranty requirements and is backward compatible to older API and ILSAC performance standards.

Cenex PCMO is formulated with a combination of high quality, base oils and a 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, and viscosity breakdown; 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 during cold temperature startups.
- **Flex-Fuel Vehicle Compatible:** Meets lubricant requirements when using ethanol containing gasoline up to E-85.
- **Drain Intervals:** Meets the requirements for extended drain intervals as outlined in the OEM owners manual.
- **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.

Cenex® PCMO

Gasoline Engine Oil

Typical Applications

Cenex® PCMO engine oil is formulated to exceed a variety of gasoline engine specifications and manufacturers' requirements:

Typical Customers

- New and older cars, trucks with naturally aspirated or turbocharged engines
- Gasoline/electric hybrids 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	0W-20
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	35.3 / 7.07
Pour Point, °C (ºF)	-45 (-49)	-42 (40)	-48 (-55)
Viscosity @40°C, cSt	49.3	61.8	47.4
Viscosity @100°C, cSt	8.6	10.7	8.9
Viscosity Index	153	164	169
CCS Viscosity, cP @ ºC	5,800 @ -30	6,000 @ -30	5,900 @ -35
Viscosity @-40 C, cP (MRV TP1) (SAE 0W)	—	—	30,000
Viscosity @-35°C, cP (MRV-TP1)(SAE 5W)	18,900	26,000	—
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 visiting cenex.com/sds-library.