



Mobil Pegasus™ 1005

Premium Gas Engine Oil

Product Description

Mobil Pegasus™ 1005 is the next generation of Mobil Pegasus high performance gas engine oil designed to provide today's high output, low-emission four-cycle gas engines with the highest levels of protection while maintaining superior performance in earlier model engines. Mobil Pegasus 1005 is the latest addition to the Mobil Pegasus pedigree of proven natural gas engine oils with a balanced, durable formulation.

Mobil Pegasus 1005 uses high quality base stocks and advanced additive technology to deliver exceptional oxidation stability, nitration resistance and thermal stability. Mobil Pegasus 1005 formulation is balanced to provide outstanding anti-wear characteristics to protect heavily loaded valve train components, pistons, liners, bearings, and gear trains while maintaining compatibility with catalytic converter materials. Its detergent-dispersant system controls the formation of carbon and varnish deposits to minimize oil consumption and maintain engine cleanliness even during extended drain intervals.

Mobil Pegasus 1005 can help users keep their engines running longer and cleaner with improved reliability resulting in an increase in productivity.

Features and Benefits

Mobil Pegasus 1005 is a leading member of the Mobil brand of industrial lubricants that enjoy a reputation for innovation, technology leadership and high performance capability.

Mobil Pegasus 1005 offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Extended Oil Life	Improves oil drain interval; reduces number of oil changes and oil purchases, creates less waste oil and labor to help lower operating costs and increase engine availability Increased engine availability enables higher productivity
Keep Clean Performance	Helps control deposits in combustion chamber and on pistons to maximize engine efficiency and reliability Helps control deposits in heat exchangers to maximize heat production
Low Oil Consumption	Low oil volatility helps minimize engine and exhaust system deposits to help extend catalytic converter life and extend intervals between heat exchanger cleanings Helps reduce make up oil additions and lubricant purchases
Exceptional Wear Protection	Helps control wear on critical engine components Maximizes engine reliability and performance

Applications

Mobil Pegasus 1005 is designed for use in:

- Caterpillar, MWM GmbH (Formerly Deutz Power Systems), Jenbacher, Rolls Royce-Bergen, Wartsila, Waukesha and other turbocharged, naturally aspirated, medium to high speed four-cycle engines requiring a low ash oil

- Lean-burn and stoichiometric four-cycle engines operating under high load, high temperature conditions
- High-speed four-cycle gas engines used in cogeneration applications
- Natural gas fueled engines equipped with catalytic converters
- Applications using alternate fuels containing low levels of sulfur or chlorine
- Field gathering operations where sour gas, with H₂S content < 0.1% (1000 ppm), may be used as fuel

Specifications and Approvals

Mobil Pegasus 1005 meets or exceeds the requirements of:

API CF	X
Caterpillar	X

Mobil Pegasus 1005 has the following builder approvals:

Avtodizel-YaMz (Russia) – All Engines	X
GE Jenbacher TI 1000-1109 (Class A fuel gas, Series 4B & 6E)	X
MAN M 3271-2 (Natural Gas)	X
MAK, GCM34	X
MWM GmbH TR 0199-99-2105, Lube Oil for Gas Engine	X
MTU Gas Engine S4000 L61, L62 and L63 using natural gas	X
MTU Onsite Energy, Series 400 Engines/ naturally aspirated – Natural Gas	X
Perkins, Gas Engine Oil – Natural Gas	X
Rolls-Royce Bergen Engines K-G1 / K-G2 / K-G3 / CR-G / BV-G	X
Schnell Motoren, AG ZS180-V5 / ZS250-V5 / ZS265GT-V5 / ZS265TC-V5	X
Wartsila 220SG / 28SG / 34SG / 32DF(continuous natural gas operation) / 50DF (continuous natural gas operation) / 25SG / 175SG	X
Waukesha, Cogeneration	X
Waukesha 12V/18V 220 GL Applications	X

Typical Properties

Mobil Pegasus 1005	1005
SAE Grade	40
Viscosity, ASTM D 445	
mm ² /s @ 40°C	125
mm ² /s @ 100°C	13
Viscosity Index, ASTM D 2270	100
TBN, mg KOH/g	5
Pour Point, °C, ASTM D 97	-15
Flash Point, °C, ASTM D 92	247
Density @15.6 °C, ASTM D 4052, kg/l	0.85
Sulfated Ash, wt% ASTM D 874	0.5

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your sales contract office, or via the Internet on <http://www.exxonmobil.com>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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