



## Mobil Pegasus™ 1005

Mobil industrial , Canada

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Premium Gas Engine Oil

### Product Description

Mobil Pegasus™ 1005 is a 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 H<sub>2</sub>S content < 0.1% (1000 ppm), may be used as fuel

## Specifications and Approvals

**This product has the following approvals:**

AVTODISEL (YaMZ) YaMZ-1-97

INNIO JENBACHER TI 1000-1109 (Class A fuel gas, Series 4B & 6E)

Caterpillar/MaK GCM34

MAN M 3271-2

MTU Onsite Energy Engine series 400/natural aspirated - Natural gas

MWM GmbH TR 0199-99-2105

PERKINS GAS ENGINE OIL - NATURAL GAS

Rolls-Royce Bergen Engines K-G1

Rolls-Royce Bergen Engines K-G2

Rolls-Royce Bergen Engines K-G3

Rolls-Royce Bergen Engines CR-G

Rolls-Royce Bergen Engines BV-G

SCHNELL MOTOREN AG ZS180-V5

SCHNELL MOTOREN AG ZS250-V5

SCHNELL MOTOREN AG ZS265GT-V5

SCHNELL MOTOREN AG ZS265TC-V5

WARTSILA 220SG

WARTSILA 28SG

WARTSILA 34SG

WARTSILA 32DF (Continuous Natural Gas Operation )

WARTSILA 25SG

WARTSILA 50DF (Continuous Natural Gas Operation)

WARTSILA 175SG

GE Waukesha Engine 12V/18V 220 GL Applications Using Pipeline Quality Gas

GE Waukesha Engine Cogeneration Applications Using Pipeline Quality Gas

INNIO JENBACHER TI 1000-1109 (Class A fuel gas, Series 2 & 3,extended drain)

**This product is recommended for use in applications requiring:**

API CF

**This product meets or exceeds the requirements of:**

CATERPILLAR

## Properties and Specifications

Property	
Grade	SAE 40
Ash, Sulfated, mass%, ASTM D874	0.5
Density @ 15.6 C, g/cm <sup>3</sup> , ASTM D4052	0.85
Flash Point, Cleveland Open Cup, °C, ASTM D92	265
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	13.4
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	121
Pour Point, °C, ASTM D97	-25
Total Base Number, mgKOH/g, ASTM D2896	5.3
Viscosity Index, ASTM D2270	106

## Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @

<http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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