Mobil Pegasus™ 1005

Mobil Industrial , Switzerland

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 H2S content ‹ 0.1% (1000 ppm), may be used as fuel

Specifications and Approvals

This product has the following approvals:
Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260)
Caterpillar / MaK 4-Stroke Medium Speed Engine (Gas Operation) incl. GCM-34
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 2 & 3, extended drain)
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 4B & 6E)
INNIO Waukesha Engine 220GL Applications Using Pipeline Quality Gas
INNIO Waukesha Engine Cogeneration / Gas Compression Applications Using Pipeline Quality Gas
MAN M 3271-2
MTU Gas Engines S4000 L61, L62, L63, L64 using natural gas
MTU Gas engines Series 4000 Mx5xN using natural gas
MWM TR 0199-99-2105, Lube Oils for Gas Engines
Perkins GAS ENGINE OIL - NATURAL GAS
Bergen Engines AS (former Rolls-Royce Bergen) C-Type Gas Engines
Wartsila 175SG
Wartsila 220SG
Wartsila 25SG
Wartsila 28SG
Wartsila 32DF (Continuous Natural Gas Operation)
Wartsila 34SG
Wartsila 50DF (Continuous Natural Gas Operation)
Wartsila 50SG
Rolls-Royce Solutions Augsburg (former MTU Onsite Energy) Gas Engines Series 400 - natural aspirated engines with natural gas and propane gas
Bergen Engines AS (former Rolls-Royce Bergen) K-Type Gas Engines
Bergen Engines AS (former Rolls-Royce Bergen) B 35:40 Gas Engines
Rolls-Royce Solutions Augsburg (former MTU Onsite Energy) Gas Engines Series 500 - all engines with biogas, sewage gas and landfill gas.
Rolls-Royce Solutions Augsburg (former MTU Onsite Energy) Gas Engines Series 500 - all engines with natural gas and cleaned non-natural gas

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
Base Number - Xylene/Acetic Acid, mg KOH/g, ASTM D2896	5.4
Pour Point, °C, ASTM D97	-25
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.4
Viscosity Index, ASTM D2270	106
Flash Point, Cleveland Open Cup, °C, ASTM D92	265
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	121
Ash, Sulfated, mass%, ASTM D874	0.5
Density @ 15.6 C, g/cm3, ASTM D4052	0.855

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

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