



Mobil Pegasus™ 1005

Mobil Industrial, United States

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:
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

This product is recommended for use in applications requiring:

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 ³ , ASTM D4052	0.85
Flash Point, Cleveland Open Cup, °C, ASTM D92	265
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	13.4
Kinematic Viscosity @ 40 C, mm ² /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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