Mobil Pegasus™ 1100 Series

Mobil Industrial , New Zealand

High Performance Gas Engine Oil

Product Description

Mobil Pegasus™ 1100 Series is the latest generation of Mobil Pegasus high performance gas engine oils 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. Both Mobil Pegasus 1105 and Mobil Pegasus 1107 have extraordinary oxidation stability, nitration resistance, TBN (Total Base Number) retention and thermal stability which result in extended oil life. The formulations are balanced to provide extended oil life, outstanding anti-wear characteristics and to control the formation of carbon and varnish deposits.

Mobil Pegasus 1105 (0.5% sulphated ash) can help users keep their engines (all types of piston) running longer and cleaner with improved reliability resulting in an increase in productivity.

Mobil Pegasus 1107 (0.65% sulphated ash) can help users keep their high Brake Mean Effective Pressure (BMEP greater or equal to 22 bar) steel piston engines running longer and cleaner with improved reliability, excellent alkalinity reserve and retention resulting in an increase in productivity.

Features and Benefits

Mobil Pegasus 1105 and Mobil Pegasus 1107 are long life gas engine oils that have demonstrated at least 1.5X longer oil drain intervals versus competition in high performance natural gas fuelled engines. Both lubricants are leading members of the Mobil brand of industrial lubricants that enjoy a reputation for innovation, technology leadership high performance capability:

- Extraordinary detergent-dispersant system controls the formation of carbon and varnish deposits to minimize oil consumption and maintain engine cleanliness even during extended drain intervals
- Exceptional oxidation stability, nitration resistance and thermal stability that help extend oil life, reduce filter costs and resist deposit formation
- Unparalleled anti-wear characteristics help reduce wear of engine components, reduce scuffing of liners in highly loaded gas engines and provide break-in protection
- Exceptional alkalinity reserve maintains engine performance and durability while extending oil drain interval

Applications

- GE Jenbacher, MAN, MTU and other turbocharged, naturally aspirated, medium to high speed four-cycle gas engines requiring a high performance lubricant
- Lean-burn and stoichiometric four-cycle gas engines operating under high load, high temperature, high pressure conditions
- High-speed four-cycle gas engines used in cogeneration applications
- Natural gas fuelled engines equipped with catalytic converters
- Field gathering operations where sour gas, with low H2S content, may be used as fuel

Specifications and Approvals

This product has the following approvals:	1105	1107
Bergen Engines AS (former Rolls-Royce Bergen) B 35:40 Gas Engines		X
Bergen Engines AS (former Rolls-Royce Bergen) B 36:45 Gas Engines		X

This product has the following approvals:	1105	1107
Bergen Engines AS (former Rolls-Royce Bergen) C-Type Gas Engines		X
Bergen Engines AS (former Rolls-Royce Bergen) K-Type Gas Engines		X
CUMMINS HSK78G (Natural Gas)		X
Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260)		X
INNIO Jenbacher TI 1000-1108 (Class A fuel gas, Type 9)		X
INNIO Jenbacher TI 1000-1109 (CAT (catalyst) approved)	X	X
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Series 4B & 4C, extended drain)		X
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 2 & 3, extended drain)	X	X
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 4 all versions, extended drain)	X	
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 6 all versions, extended drain)		X
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 6 up to version E, extended drain)	X	
INNIO Jenbacher TI 1000-1109 (Class S special gas applications)		X
MAN M 3271-2		X
MAN M 3271-5		X
MWM TR 0199-99-2105, Lube Oils for Gas Engines		X
Rolls-Royce Solutions Augsburg (former MTU Onsite Energy) Gas Engines Series 400 - all engines with natural gas and propane gas		X

Properties and Specifications

Property	1105	1107
Grade	SAE 40	SAE 40
Ash, Sulfated, mass%, ASTM D874	0.5	0.65
Base Number - Xylene/Acetic Acid, mg KOH/g, ASTM D2896	6.2	7.3
Density @ 15.6 C, g/cm3, ASTM D4052	0.88	0.88
Flash Point, Cleveland Open Cup, °C, ASTM D92	261	261
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.1	13.1
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	113	113
Pour Point, °C, ASTM D97	-18	-18
Viscosity Index, ASTM D2270	112	112

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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