# Mobil Pegasus™ 1100 Series

Mobil Industrial , Egypt

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

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise

03-2023
ExxonMobil Egypt (S.A.E.)
1097 Cornish El-Nil, Garden City, Cairo, Egypt

You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.global.mobil.com/en/contact-us

+ 20 2 795 4850/60
http://www.exxonmobil.com

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
ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

ExxonMobil

Exxon Mobil Esso XTO

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved