

# Mobil Pegasus™ 1100 Series

Latest generation of natural Gas Engine Oils

Energy lives here™

## Key benefits



Extend oil life, reduce filter costs due to extraordinary oxidation stability, nitration resistance, and thermal stability



Reduced wear of engine components and break-in protection



Exceptional alkalinity reserve maintaining engine performance and durability while extending oil drain interval



Extraordinary detergent-dispersant system that controls the formation of carbon and varnish deposits

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. Mobil Pegasus™ 1100 Series offers:

- Capability of sustaining high severity gas engines with thermally loaded pistons
- Significant extension of oil drain interval
- Enhanced dispersancy for soot handling
- Superb solvency for high temperature deposit control

At least

# 1,5x

longer oil drain intervals  
in high performance natural  
gas fuelled engines

## Typical properties\*

Mobil Pegasus™ 1100 Series	1105	1107
SAE Grade	40	40
Viscosity, ASTM D 445		
cSt @ 40 °C	106	106
cSt @ 100 °C	13.1	13.1
Viscosity Index, ASTM D 2270	120	120
Sulphated Ash, wt%, ASTM D 874	0.5	0.7
TBN #, mg KOH/g, ASTM D 2896	5.7	6.7
Pour Point, ASTM D 97, °C	-24	-24
Flash Point, COC, ASTM D 92, °C	261	261
Density @ 15.6 °C, ASTM D 4052, kg/L	0.88	0.88

## Approvals

For current approval status, please refer to the product data sheet on [mobil.com/industrial](http://mobil.com/industrial) or [mobilpegasus.com](http://mobilpegasus.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 [mobil.com/industrial](http://mobil.com/industrial). 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.

# Mobil Pegasus™ 1100 Series

## Piston cleanliness

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

**Mobil Pegasus™ 1107** (0.7% sulphated ash) can help users keep their high Brake Mean Effective Pressure (BMEP greater or equal to 22 bar) steel piston engines cleaner and running longer with improved reliability, excellent alkalinity reserve and retention resulting in increased productivity.



Reference Oil



Mobil Pegasus™ 1105



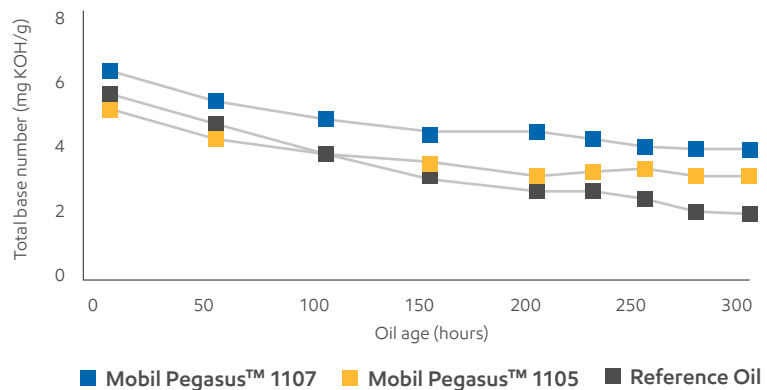
Mobil Pegasus™ 1107

Both products are formulated based on a balanced additive platform in an optimised base stock.

## TBN retention test

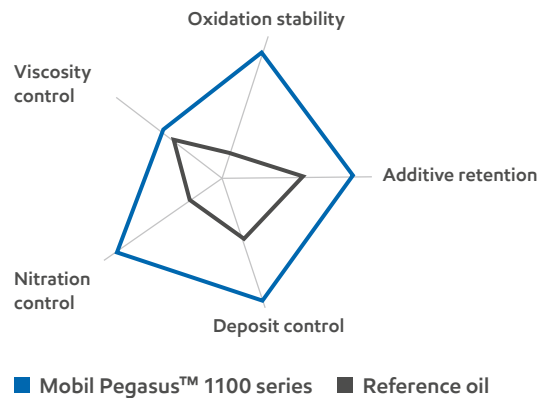
In a high severity 300-hours gas engine test, Mobil Pegasus™ 1100 series exhibited excellent alkalinity reserve (according to ASTM D2896), resulting in extended oil life and superior piston cleanliness. Overall, excellent oxidation control, additive retention, viscosity control, nitration control and deposit control are demonstrated by the Mobil Pegasus™ 1100 series products, which directly correlate to extended oil life and improved engine durability.

## Engine performance: TBN retention assessment



## Applications

- Medium to high speed four-cycle gas engines require 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 H<sub>2</sub>S content, may be used as fuel



Exceptional overall balanced performance is demonstrated by Mobil Pegasus™ 1100 series.

## Industrial Lubricants



**Advancing Productivity™**

## Safety

Reduced maintenance and long service intervals help you mitigate potential employee risk arising from direct contact with equipment.

## Environmental Care\*

Mobil Pegasus™ 1100 Series helps to reduce oil consumption and to maintain engine cleanliness even during extended drain intervals.

## Productivity

Exceptional oxidation stability, nitration resistance and thermal stability that help extend oil life, reduce filter costs and resist deposit formation.

\*Visit [mobil.com/industrial](http://mobil.com/industrial) to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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