



Mobil Pegasus™ 805

Gas Engine Oil

Product Description

Mobil Pegasus™ 805 is premium performance gas engine oil engineered to meet the rigorous demands of today's high output four-cycle engines designed to reduce emissions and improve fuel-efficiency. These gas engines generally operate under high load and high temperature conditions. Mobil Pegasus 805 is made from high quality base stocks and an advanced technology additive system that provides exceptional oxidation stability, nitration resistance and thermal stability. Its detergent and dispersant system controls the formation of carbon deposits, lacquer and sludge resulting in cleaner engines, longer oil life and reduced filter costs.

Mobil Pegasus 805 is also designed to provide exceptional protection against piston scuffing, scoring and ring and liner wear. It exhibits excellent resistance to foaming, good demulsibility and protection against corrosion. It is formulated with very low levels of zinc and phosphorus making it compatible with engines equipped with catalytic converters.

Features and Benefits

Mobil Pegasus 805 is designed to provide optimum engine life and low maintenance costs. It meets a wide range of OEM requirements making it an excellent choice where high-speed four-cycle engines from various OEMs are used. Its unique innovative technology allows for control of valve train component wear and reduces the potential for scuffing, scoring and accelerated piston and ring wear. The end result is lower costs of operating and maintaining your gas engines.

Features	Advantages and Potential Benefits
Exceptional Oxidation and Nitration Resistance	Cleaner engines Longer oil and filter service Improved engine performance
Outstanding Anti-wear and Anti-scuff protection	Reduced scoring, scuffing and wear of pistons and liners High level of protection in fully loaded engines Reduced maintenance costs
Advanced Technology Additive System	Excellent protection of valve train components Reduced levels of combustion chamber ash Improved spark plug life
Very Effective Corrosion Protection	Protects internal engine components from water, coolant and acidic materials Neutralizes acids formed from combustion or oil degradation
Excellent Detergent / Dispersancy Performance	Protects valve train components Reduces ash and carbon deposits in combustion chambers Improves spark plug life and performance Reduces filter replacement costs

Applications

- Caterpillar, Superior, Waukesha and other turbocharged, naturally aspirated, medium to high speed four-cycle engines requiring a low ash oil
- Engines experiencing valve face and seat wear
- Lean-burn and stoichiometric four-cycle engines
- Engines equipped with catalytic converters
- Applications using alternate fuels containing low levels of sulfur or chlorine

- In field gathering operations where sour gas (low levels of H₂S) is used as fuel

Specifications and Approvals

Mobil Pegasus 805 meets or exceeds the requirements of:

CATERPILLAR	X
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Mobil Pegasus 805 has the following builder approvals:

MWM GmbH TR 0199-99-2105/7, Lube Oils for Gas Engines	X
GE Jenbacher TI 1000-1105 (Biogas, Series 2 & 3)	X
GE Jenbacher TI 1000-1106	X
GE Jenbacher TI 1000-0125 (Landfill, Series 2 & 3)	X
Wartsila 34SG	X
Wartsila 32DF	X
Wartsila 28SG	X
Wartsila 220 SG	X
Waukesha (Cogeneration)	X
MAN B&W D365600-1.35-1	X
MAN B&W D6628 3.3.6-01	X
Perkins Gas Engine Oil – Natural Gas	X
MTU Oil Category 1 - SAE 40 for Gas Engines	X
GE Jenbacher TI 1000-1109 (Class A fuel gas, Series 2, 3, 4 & 6)	X
GE Jenbacher TI 1000-1109 (Class B fuel gas, Series 4 & 6)	X
Waukesha 12V/18V 220 GL Applications	X

Typical Properties

Mobil Pegasus 805

SAE Grade	40
Viscosity, ASTM D 445	
cSt @ 40° C	130
cSt @ 100° C	13.5
Viscosity Index, ASTM D 2270	99
Sulfated Ash, wt%, ASTM D 874	0.5
Foam Resistance, ASTM D 892 Seq I, Tendency/Stability, ml/ml	0/0
Total Base #, mg KOH/g, ASTM D 2896	6.2
Pour Point, °C, ASTM D 97	-12
Flash Point, °C, ASTM D 92	262
Specific Gravity 15.6° C/15.6° C, ASTM D 4052	0.89

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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. 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.

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