# Mobil Pegasus™ 805

Mobil Industrial , Pacific Islands

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

## Applications

- Caterpillar, Superior, Waukesha and other turbocharged, naturallyspirated, 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

| This product has the following approvals: |
|---|
| Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260) |
| INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 2, 3, 4 & 6) |
| INNIO Jenbacher TI 1000-1109 (Class B fuel gas, Type 4 & 6) |
| INNIO Waukesha Engine 220GL Applications Using Pipeline Quality Gas |
| INNIO Waukesha Engine Cogeneration / Gas Compression Applications Using Pipeline Quality Gas |
| MAN Energy Solutions Augsburg (Heritage MAN B&W) 4 Stroke medium speed engines for LNG operation |
| MTU Gas Engines S4000 L32, L33 using natural gas |
| MWM TR 0199-99-2105, Lube Oils for Gas Engines |
| Perkins GAS ENGINE OIL - NATURAL GAS |
| Wartsila 220SG |
| Wartsila 28SG |
| Wartsila 32DF |
| Wartsila 34SG |
| Rolls-Royce Solutions Augsburg (former MTU Onsite Energy) Gas Engines Series 400 - all engines with natural gas and propane gas |
| INNIO Jenbacher TI 1000-1109 (Class C fuel gas, Type 4A, 4B & 4C) |
| MTU Gas Engines S4000 L61, L62, L63 using natural gas |

| This product meets or exceeds the requirements of: |
|---|
| CATERPILLAR |

## Properties and Specifications

| Property | |
|---|---|
| Grade | SAE 40 |
| Ash, Sulfated, mass%, ASTM D874 | 0.5 |

| Property | |
|---|---|
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 262 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 13.5 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 130 |
| Pour Point, °C, ASTM D97 | -12 |
| Viscosity Index, ASTM D2270 | 99 |
| Density @ 15.6 C, kg/l, ASTM D4052 | 0.890 |
| Base Number - Xylene/Acetic Acid, mg KOH/g, ASTM D2896 (*) | 6.4 |

(*) use of other ASTM approved solvents may yield different results

**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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