

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 the highest 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 following industry specifications:

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| CATERPILLAR (Quality Level) | X |
| Deutz MWM (Gas engines with special gases with increased exhaust emission) | X |
| Jenbacher TI 1000-1105 | X |
| Jenbacher TI 1000-1106 | X |
| Jenbacher TI 1000-0125 | X |
| Waukesha (Cogeneration) | X |

Mobil Pegasus 805 has the following builder approvals:

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|---|---|
| Cummins Wartsila 220 SG (Quality Level) | X |
| Wartsila NSD W34SG | X |
| Wartsila 32DF | X |
| Wartsila NSD 28SG (Natural gas operation) (Quality Level) | X |
| Wartsila 220 SG (Quality Level) | X |

Typical Properties

Mobil Pegasus 805

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| 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 | 0.54 |
| 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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