

Mobil Pegasus 801

Gas Engine Oil

Product Description

Mobil Pegasus 801 is an SAE 40 premium performance gas engine oil intended for the lubrication of all classes of gas engines operating at low, medium and high speeds where low ash or ashless oils are recommended. It provides outstanding engine cleanliness and performance by preventing the formation of carbon and ash deposits on pistons, in ring belt areas, on exhaust and intake ports, on valves and valve stems and in combustion chambers. Mobil Pegasus 801 also reduces the potential for port carboning of two-cycle gas engines. It minimizes engine wear and protects valve faces, seats and guides of turbocharged, four-cycle engines. Mobil Pegasus 801 provides exceptional protection against scuffing in demanding engine applications and also provides excellent protection against corrosion of internal engine components. Filter and oil life are extended and the high performance capability of the Mobil Pegasus 801 can also extend the time between engine maintenance and overhaul periods.

Mobil Pegasus 801 is the latest generation of ashless detergent and anti-scuff gas engine oil formulated from highly refined base oils and an advanced technology additive system. It is engineered to provide a high level of chemical and thermal stability resulting in cleaner engines and higher engine performance. Pegasus 801 provides exceptional cleanliness and optimum wear protection in the most severe applications, without the disadvantage of increased ash deposits.

Features and Benefits

Mobil Pegasus 801 oil provides outstanding performance in both two- and four-cycle gas engines making it a good choice for all applications where ashless and low-ash oils are recommended. Its advanced additive system protects high BMEP engines against scuffing, scoring and wear particularly during critical break-in periods. The result is long engine life and low maintenance costs. Pegasus 801 has demonstrated outstanding performance over an exceptionally wide range of engines and operating conditions. Where mixed engines are in service Mobil Pegasus 801 provides a single product which simplifies inventory and reduces the potential for product misapplication.

| Features | Advantages and Potential Benefits |
|---|--|
| Outstanding Oxidation Stability | Longer engine and oil life Cleaner engines Extended filter life |
| Advanced Technology Very Low Ash Formulation | Lower levels of port carboning (two-cycle engines) Reduced valve and combustion chamber ash and carbon build-up Longer spark plug life |
| Outstanding Anti-wear and Anti-scuff Protection | Less engine wear Increased engine life Excellent break-in protection for high BMEP engines Improved ring, piston and liner life |
| Exceptional Nitration Resistance | Less engine sludging Improved filter life Reduced engine deposits |
| High Level Corrosion Protection | Protects engine components against corrosive wear Longer engine life and lower maintenance costs |



Applications

- Mobil Pegasus 801 is intended for the lubrication of the crankcase, power cylinders, and compressor cylinders of spark-ignited, two- and four-cycle gas engines operating on clean fuel.
- Ideal for engines that drive generators for power production or gas compressors in gathering, transmission, storage, and distribution of natural gas.
- Engines in remote locations which operate virtually unattended for long periods. In many cases, the engines are operated at, or in excess of full-rated output, while other applications are intermittent or stand-by service. Reliability, is therefore essential.
- Mobil Pegasus 801 oils show excellent results in multipurpose natural gas engine applications, particularly involving highly turbocharged engines requiring anti-scuff protection for cylinder liners and piston skirts.
- When natural or petroleum gas is being compressed and is dry and free of suspended liquids or corrosive components, the compressor cylinders usually are lubricated with the same oil as the engine crankcase. Mobil Pegasus 801 has been successful in this service.

Specifications and Approvals

Typical Properties

| Pegasus 801 | |
|-------------------------------------|-------|
| SAE Grade | 40 |
| Viscosity, ASTM D 445 | |
| cSt @ 40°C | 132 |
| cSt @ 100°C | 13.2 |
| Viscosity Index, ASTM D 2270 | 97 |
| Sulfated Ash, wt%, ASTM D 874 | 0.13 |
| Total Base #, mg KOH/g, ASTM D 2896 | 2.8 |
| Pour Point, °C, ASTM D 97 | -15 |
| Flash Point, °C, ASTM D 92 | 249 |
| Density @15 °C kg/l, ASTM D 1298 | 0.886 |

Precautions

MOBIL PEGASUS 801 is manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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