

Product Description

Mobil Pegasus 1 is a super premium quality synthetic gas engine oil intended to meet the highest performance requirements of the most demanding turbocharged stoichiometric and lean-burn gas engines. It is formulated from wax-free synthetic base fluids and a superior additive system to provide performance which is unattainable with conventional mineral oil-based gas engine oils.

This formulation minimises ash deposits, top land carbon, liner scuffing and valve seat wear. It has outstanding resistance to oxidation and its inherently high viscosity index and molecular structure ensure a protective lubricant film at high temperatures well above the limit for mineral oil based products. The product will flow at -54°C ensuring easy cold start-up and effective lubrication at low temperatures. Mobil Pegasus 1 exhibits low volatility in the high temperature ring area of turbocharged gas engines which reduces oil consumption measurably. Its unique viscometrics and low traction coefficient reduce power losses and provide fuel economy benefits, particularly under variable load and speed operations.

Benefits

Mobil Pegasus 1 offers the following benefits:

- Superior performance for all gas engines operating at low, medium or high speeds
- Extended engine life due to outstanding control of varnish, carbon and ash deposits, and protection against wear
- Improved productivity and engine availability because of extended oil and filter life
- Reduced oil consumption compared with conventional mineral oils
- Improved fuel economy

Application

Mobil Pegasus 1 is recommended for all gas engines, whether operating at low, medium or high speeds. The product is particularly suited for use in Caterpillar, Superior, Waukesha and other turbocharged and naturally aspirated medium- to high-speed gas engines requiring medium-to high ash level product. This is true for both stoichiometric and lean-burn engines.

Mobil Pegasus 1 is also recommended for slow-speed two and four-cycle gas engines starting and operating under very low ambient conditions and in remote control gathering field applications, or applications at very high operating temperatures. It is ideally suited for cogeneration and ebullient-cooled applications over a wide operating temperature range.

Mobil Pegasus 1 can be used with engines equipped with catalytic converters. It may also be used in gas engines having alternative energy sources for fuel gas containing up to 0.3% sulphur as hydrogen sulphide and small amounts of total organic halides such as chlorine.

Mobil Pegasus 1 is fully compatible with all seals commonly used in gas engines and with mineral oils but admixture may lower the performance benefits to be obtained from this outstanding lubricant.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

		Mobil Pegasus 1
	Test Method	
Viscosity, cSt at 40°C	ASTM D445	94.0
Viscosity, cSt at 100°C	ASTM D445	13.0
Viscosity Index	ASTM D2270	137
Sulphated Ash, wt. %	ASTM D874	0.48
Total Base Number (TBN), mg KOH/g	ASTM D2896	6.5
Flash Point, °C	ASTM D92	238
Pour Point, °C	ASTM D97	-54

Due to continual product research and development, the information contained herein is subject to change without notice.

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

