

Product Data Sheet

Mobil Pegasus 605 High Performance Gas Engine Oil for Mildly Aggressive Bio-Gases

Product Description

Mobil Pegasus 605 is a premium quality SAE 40 lubricant employing specially developed additives to neutralise the effect of contaminated bio-gases. The ash level of Mobil Pegasus 605 absorbs the excessive levels of halogens and/or hydrogen sulphide found in mildly aggressive bio-gases.

The superior oxidation stability of Mobil Pegasus 605 is achieved through the use of highly refined base oils. This lubricant also contains wear resistance and detergent/dispersant additives. The ash assists in maintaining clean combustion spaces and optimises valve protection in the presence of mildly aggressive bio-gases.

Benefits

Mobil Pegasus 605 offers the following benefits:

- Outstanding control of corrosion and carefully balanced acid-neutralisation
- Low deposit forming characteristics
- Excellent protection against wear and scuffing
- Very good control of valve and seat wear
- Excellent resistance to oxidation and nitration

Application

Mobil Pegasus 605 is specially designed for gas engines running on mildly aggressive landfill gas or sour gas. These require enough TBN reserve and alkalinity retention to neutralise acidic components such as Total Organic Halides expressed as chlorine (TOHCl) and/or hydrogen sulphide at moderate levels. The product provides outstanding protection for turbocharged and naturally aspirated, medium- and high-speed gas engines requiring a product of low to medium ash level.

Its unique additive system has been designed to provide preferential protection to bearing materials which tend to suffer the greatest distress in the presence of aggressive gases.

Mobil Pegasus 605 is zinc and phosphorus free, so it can be used in both three-way and selective catalytic systems without causing problems.

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 605

	Test Method	
SAE Grade		40
Viscosity, cSt at 40°C	ASTM D445	126
Viscosity, cSt at 100°C	ASTM D445	13.3
Viscosity Index	ASTM D2270	96
Sulphated Ash, wt. %	ASTM D874	0.55
Total Base Number (TBN), mg KOH/g	ASTM D2896	6.5
Flash Point, °C	ASTM D92	246
Pour Point, °C	ASTM D97	-18

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

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