

# Product Data Sheet

## Mobil Pegasus 610 High Performance Gas Engine Oil for Aggressive Bio-Gases

### Product Description

Mobil Pegasus 610 is a premium quality SAE 40 lubricant employing specially developed additives to neutralise the effect of highly contaminated bio gases. The high ash level of Mobil Pegasus 610 absorbs the excessive levels of halogens and/or hydrogen sulphide found in aggressive bio-gases.

The superior oxidation stability of Mobil Pegasus 610 is achieved through the use of highly refined base oils. This lubricant also contains wear resistance and detergent/dispersant additives. The high ash assists in maintaining clean combustion spaces and optimises valve protection in the presence of harsh bio gases.

### Benefits

Mobil Pegasus 610 provides the following benefits:

- Reduced combustion chamber deposits
- Increased lubricant life
- Good control of valve wear
- Reduced heat exchange deposits
- Low engine maintenance and long service life
- High resistance to corrosive attack
- High resistance to oxidation and nitration

### Application

Mobil Pegasus 610 has been formulated to cater for older gas engines having copper based bearing metals running on landfill gas. Additionally Mobil Pegasus 610 shows outstanding performance in gas engines fuelled by aggressive bio-gases having hydrogen sulphide levels above 1000 ppm and/or chlorine levels above 60 ppm.

There are two main types of gas engines, i.e. spark ignition or pilot ignition with diesel fuel (dual fuel type). Mobil Pegasus 610 is formulated primarily for use in the more critical spark ignition engines.

## 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

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### Mobil Pegasus 610

	Test Method	
SAE Grade		40
Viscosity, cSt at 40°C	ASTM D445	131
Viscosity, cSt at 100°C	ASTM D445	13.3
Viscosity Index	ASTM D2270	98
Sulphated Ash, wt. %	ASTM D874	0.96
Total Base Number (TBN), mg KOH/g	ASTM D2896	9.5
Flash Point, °C	ASTM D92	246
Pour Point, °C	ASTM D97	-18

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

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