

Mobil Pegasus 610

The Mobil logo, consisting of the word "Mobil" in a blue, sans-serif font, is positioned in the top right corner of the page. A red curved line arches over the logo from the right edge of the page.

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 neutralize 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 very aggressive bio-gases.

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

Benefits/Advantages

- Major builder approval.
- Reduced combustion chamber deposits to cater for the higher temperatures produced for gas engines.
- 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. Additionally Mobil Pegasus 610 shows outstanding performance in gas engines fuelled by bio gas 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.

Since gas is inherently a clean burning fuel, the main source of combustion chamber deposits will be lubricating oil and for this reason normal engine lubricants are unsuitable for spark ignited gas engines.



Typical Properties

Mobil Pegasus 610

SAE Grade	40
Viscosity cSt at 40°	130
cSt at 100°C	13.4
Viscosity Index	98
Sulphated Ash, wt%	1.0
Total Base Number (TBN) mg KOH/g	11.1
Flash Point, °C	258
Pour Point, °C	-27

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on this product, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

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