

Product Data Sheet

Mobil Pegasus 705 High Performance Gas Engine Oil for Natural Gas

Product Description

Mobil Pegasus 705 is a premium quality SAE 40 gas engine oil. It is blended from highly refined base stocks fortified with carefully selected additives having low ash characteristics giving optimum performance in spark ignited engines fuelled by natural gas. This oil also contains wear resistance and detergent/dispersant additives. High oxidation resistance and good thermal stability ensure adequate performance reserve for extended service life.

Benefits

Mobil Pegasus 705 offers the following benefits:

- Reduced combustion chamber deposits to cater for the higher temperatures produced by gas engines
- Increased lubricant life
- Good control of valve wear
- Reduced heat exchanger deposits
- Low engine maintenance and long service life
- High resistance to corrosive attack
- High resistance to oxidation and nitration

Application

Mobil Pegasus 705 is formulated primarily for natural gas fuelled engines where a low ash lubricant is required. Although the absence of aggressive contaminants in natural gas makes the lubrication of these engines less complex, a correctly balanced product is vital to ensure clean heat exchangers, long spark plug life and low valve deposits.

There are two main types of gas engines, spark ignition or pilot ignition (with diesel fuel, dual fuel type). Mobil Pegasus 705 is formulated primarily for use in the more critical spark ignition gas engines. Since natural 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. Mobil Pegasus 705 is designed to provide the highest level of performance and protection in Caterpillar, Superior, Waukesha and other turbocharged and naturally aspirated, medium to high speed four cycle gas engines requiring a medium to low ash level product. With its low levels of zinc and phosphorus Mobil Pegasus 705 can also be used in catalytic converter equipped 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

Mobil Pegasus 705

	Test Method	
SAE Grade		40
Viscosity, cSt at 40°C	ASTM D445	126
Viscosity, cSt at 100°C	ASTM D445	13.2
Viscosity Index	ASTM D2270	98
Sulphated Ash, wt. %	ASTM D874	0.49
Total Base Number (TBN), mg KOH/g	ASTM D2896	5.3
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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