



# Mobil SHC Pegasus™

## Product Description

Mobil SHC Pegasus™ is a new category of advanced technology natural gas engine oil designed to provide today's high output, low-emission four-cycle gas engines with the highest levels of protection with the added potential benefit of fuel consumption reductions. Mobil SHC Pegasus is the latest addition to the technologically advanced line of Mobil Pegasus natural gas engine oils that offer high performance, long service life and improved productivity.

Mobil SHC Pegasus uses a patented combination of high quality base stocks and advanced additive technology to deliver exceptional oxidation stability, nitration resistance and thermal stability, which in turn provide the opportunity to extend drain intervals by up to three times that of conventional gas engine oils. The formulation of Mobil SHC Pegasus has been carefully balanced to provide outstanding anti-wear characteristics to protect heavily loaded valve train components, pistons, liners, bearings, and gear trains while maintaining compatibility with catalytic converter materials. Its detergent-dispersant system controls the formation of carbon and varnish deposits to minimize oil consumption and maintain engine cleanliness even during extended drain intervals. Extended drain intervals can translate to lower operating and maintenance costs.

Fuel can be one of the largest expenses in any application. Mobil SHC Pegasus offers the opportunity to reduce fuel consumption. Extensive and statistically validated independent laboratory testing, bench testing and field testing demonstrated that Mobil SHC Pegasus helped reduce fuel consumption by up to 1.5% compared to a standard natural gas engine oil.\*

Together with ExxonMobil application and engineering expertise, Mobil SHC Pegasus can help users keep their engines running longer and cleaner with improved reliability, reduced oil consumption, and reduced fuel consumption, helping to increase productivity and reduce environmental foot print.



\* - The fuel efficiency of Mobil SHC Pegasus relates solely to the fluid performance when compared to ExxonMobil's standard SAE 40 natural gas engine oils. The technology used in Mobil SHC Pegasus demonstrated up to a 1.5% increase in fuel efficiency compared to Mobil Pegasus 1005 and 805 series when tested in standard natural gas engine applications under controlled conditions. Efficiency improvements will vary based on operating conditions. The energy efficiency claim for this product is based on test results on the use of the fluid conducted in accordance with all applicable industry standards and protocols. In case of queries, please consult [TechDeskEurope@exxonmobil.com](mailto:TechDeskEurope@exxonmobil.com)

## Features and Benefits

Mobil SHC Pegasus is a leading member of the Mobil SHC brand of advanced performance industrial lubricants that enjoy a reputation for innovation, technology leadership and high performance capability.

Mobil SHC Pegasus offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Reduced Fuel Consumption	Patented technology proven to provide up to 1.5% reduction in fuel consumption compared to standard natural gas engine oils*
Extended Oil Life	Improves oil drain interval; reduces number of oil changes, fewer oil purchases, creates less waste oil and labor to help lower operating costs and increase engine availability Increased engine availability enables higher productivity
	Helps control deposits in combustion chamber and piston ring zone to maximize engine efficiency and

Keep Clean Performance

piston ring zone to maximize engine efficiency and reliability Helps control deposits in heat exchangers to maximize heat production

Low Oil Consumption

Low oil volatility helps minimize engine and exhaust system deposits to help extend catalytic converter life and extend intervals between heat exchanger cleanings Helps reduce make up oil additions and lubricant purchases

High Level of Wear Protection

Helps control wear on critical engine components Maintains engine reliability and performance

## Applications

Mobil SHC Pegasus is designed for use in:

- Turbocharged, naturally aspirated, medium to high speed four-cycle engines requiring a low ash oil
- Lean-burn and stoichiometric four-cycle engines operating under high load, high temperature conditions
- High-speed four-cycle gas engines used in cogeneration applications
- Natural gas fueled engines equipped with catalytic converters
- Gas engines operating on fuel that contains low levels of H<sub>2</sub>S. Consult OEM for specific fuel gas and oil drain interval recommendations

## Specifications and Approvals

**Mobil SHC Pegasus is recommended by ExxonMobil for use in the following applications**

	Mobil SHC Pegasus
Caterpillar (Acceptance)	X

**Mobil SHC Pegasus has the following builder approvals:**

	Mobil SHC Pegasus
KAMAZ Gas Engines	X

## Typical Properties

**Mobil SHC Pegasus**

SAE Grade	30
Viscosity, ASTM D 445	
mm <sup>2</sup> /s @ 40°C	65
mm <sup>2</sup> /s @ 100°C	10.5
Viscosity Index, ASTM D 2270	162
TBN, mg KOH/g	5
Pour Point, °C, ASTM D 97	-42
Flash Point, °C, ASTM D 92	255
Density @ 15.6 °C, ASTM D 4052, kg/l	0.842
Sulfated Ash, wt% ASTM D 874	0.5

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than

its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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