

# Mobil Pegasus 705-SAE30

## Gas Engine Oil

### Product Description

Mobil Pegasus 705 - SAE 30 is a premium high performance gas engine oil formulated to lubricate a wide range of natural gas fuelled engines. It is recommended for the newer stoichiometric and lean-burn high-speed four-cycle engines that are sensitive to valve face and seat wear. This oil is also recommended for the lubrication of the gas compressors and a wide range of engines requiring low ash oil. Mobil Pegasus 705 - SAE 30 is formulated from high quality mineral base oils and a balanced additive system engineered to provide excellent protection of engine and compressor components and reduced levels of combustion chamber ash deposits. It exhibits exceptional chemical stability and resistance to oxidation and nitration resulting in longer oil life and lower filter replacement costs. These performance advantages combined with their outstanding detergency and dispersancy properties minimise the formation of ash and carbon deposits that could result in poor engine performance and detonation. Mobil Pegasus 705 - SAE 30 exhibits excellent anti-corrosion properties that prevent corrosive wear in cylinders, valve areas and bearings resulting in longer engine life. Its high level of anti-wear performance reduces wear of rings, liners, and bearings. It also provides exceptional valve seat and face wear and reduces the wear and deposit formation in the valve guides of highly loaded turbocharged four-cycle engines.

### Features and Benefits

Mobil Pegasus 705 - SAE 30 gas engine oil provides for cleaner engines, lower wear rates and improved engine performance. The product is particularly beneficial in increasing valve life and performance in the newer lean-burn design, high-speed four-cycle engines operating under heavy loads. The result is reduced maintenance costs and improved production capacity. The excellent chemical and oxidation stability results in longer drain periods and reduced filter costs. Mobil Pegasus 705 - SAE 30 reduces ash and carbon formation in combustion chambers resulting in lower maintenance costs while improving engine performance and reducing fuel costs.

Features	Advantages and Potential Benefits
Excellent Anti-wear and Anti-scuff Properties	Lower wear of engine components Reduced scuffing of liners of highly loaded gas engines Provides excellent break-in protection
Exceptional Oxidation and Chemical Stability	Cleaner engines Extended drain intervals Reduced filter costs Excellent resistance to oxidation and nitration Reduces coking and formation of undercrown deposits
Low Ash Formulation	Reduces valve seat, face and guide wear Controls combustion chamber ash formation and improves spark plug performance Improved engine performance Lower fuel costs
Corrosion Resistance	Reduces valve guide wear in four stroke-cycle gas engines Protects bearings and internal components
Outstanding Detergency and Dispersancy Properties	Cleaner engines Improved upper cylinder performance Longer filter life Lower maintenance costs



## Applications

- High-speed lean-burn and stoichiometric gas engines sensitive to valve seat recession
- Crankcases and power cylinders of spark-ignited two- and four-stroke cycle gas engines
- Recommended for applications requiring low ash formulations
- Reciprocating natural gas compressor cylinders
- High output or ambient rated engines operating at or in excess of rated capacity under high temperatures
- Engines operating on fuel containing low levels of hydrogen sulphide

## Specifications and Approvals

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**Mobil Pegasus 705-SAE 30 has the following builder approvals:**

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CATERPILLAR (Quality Level)

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## Typical Properties

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### Mobil Pegasus 705-SAE 30

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SAE Grade	30
Viscosity, ASTM D 445	-
cSt @ 40°C	94
cSt @ 100°C	10.8
Viscosity Index, ASTM D 2270	98
Sulfated Ash, wt%, ASTM D 874	0.52
Total Base #, mg KOH/g, ASTM D 2896	5.6
Pour Point, °C, ASTM D 97	-21
Flash Point, °C, ASTM D 92	238
Specific Gravity 15.6° C/15.6° C, ASTM D 1298	0.881

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## 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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