



Mobil Pegasus SR

(Gas Engine Oil Scuff Resistant)

Product Description

Mobil Pegasus SR is a high performance gas engine oil specifically developed for the lubrication of modern medium and high-speed, four cycle engines operating on aggressive gases typically containing high levels of Siloxanes, where high wear or scuffing is a significant issue. These engines are generally of the lean-burn, turbo charged design, where increased manifold pressures and reduced emission requirements lead to reduced amounts of lubricant available on liner surfaces, and in the valve guide areas.

Mobil Pegasus SR provides outstanding anti-wear and anti-scuff performance which helps assure minimal piston scuffing, and low cylinder liner and piston ring wear. The Mobil Pegasus SR is a 0.5% ash gas engine oil with exceptional reserve alkalinity designed to offset the detrimental effects of acidic attack on engine components. The excellent corrosion protection properties helps prevent corrosive wear in cylinders, valve areas, and bearings which can result in longer engine life, and lower maintenance costs. This oil can be used for the lubrication of the reciprocating compressors in landfill and biomass gas applications.

Mobil Pegasus SR is formulated from high quality mineral base oils combined with an advanced technology, low ash additive system designed to provide excellent protection of engine and compressor components. It exhibits a high level of chemical stability and resistance to oxidation and nitration. Mobil Pegasus SR offers outstanding resistance to valve train wear and protection against deposit formation, especially in piston ring grooves. These performance advantages combined with the very effective detergency and dispersancy characteristics helps control the formation of ash and carbon deposits that could result in poor engine performance and detonation. This product is also compatible for use in gas engines equipped with catalytic converters.

To ensure optimum protection it is **essential** that the engine to be correctly run-in when **any** liners are changed. This is to allow the additives in the oil time to protect the new surfaces.

Features & Benefits

Mobil Pegasus SR Gas Engine Oil provides an additional margin of protection in those applications using contaminated gas. Its excellent detergent / dispersant technology also results in cleaner engines, lower wear rates, and improved engine performance. The use of this product can result in reduced maintenance costs and improved production capacity. Its excellent chemical and oxidation stability can result in longer drain periods. The high reserve alkalinity of this product allows its use in engines operating on gas with low to moderate amounts of corrosive materials in the gas.

Features	Advantages and Potential Benefits
Outstanding Anti-wear and Anti-scuff Properties	Reduced scuffing of liners in highly loaded gas engines Lower wear of engine components. Extended engine maintenance and engine components life capabilities. Provides excellent break-in protection
Optimised TBN and Reserve Alkalinity	Controls wear and corrosion when using contaminated gas Protects valve seats and faces on four cycle engines Controls combustion chamber ash formation and improves spark plug performance
Excellent Oxidation and Chemical Stability	Cleaner engines Extended drain intervals Excellent resistance to oxidation and nitration
Effective Corrosion Resistance	Reduces valve guide wear in four-cycle gas engines Protects bearings and internal components
Exceptional Detergent / Dispersant Properties	Neutralises formation of acids in the oil Protection of upper cylinder and valve train components Cleaner engines

ExxonMobil Lubricants & Specialities

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Applications

- Gas engines operating on gas that contains moderate levels of hydrogen sulphide (H₂S)
- Engines operating on gas containing other corrosive materials such as TOHCl (Total Organic Halides as Chloride), landfill or biomass gases. **Particularly recommended for gas containing moderate or high level of siloxanes.**
- Spark ignited four-cycle gas engines with very low lube oil consumption
- Engines experiencing valve train wear and corrosion
- Light output or naturally aspirated engines operating at or in excess of rated capacity under high temperatures

Specifications & Approvals

Mobil Pegasus SR has the following builder approvals or recommendations:

Approved from DEUTZ for engines operating with all gases with low contamination

Jenbacher approval for landfill

Typical Properties

Mobil Pegasus SR			
SAE Grade		40	
Viscosity, ASTM D 445			
	cSt @ 40°C	140	Typical
	cSt @ 100°C	14.5	Typical
Viscosity Index, ASTM D 2270		95	Minimum
Sulfated Ash, wt%, ASTM D 874		0.5	Typical
Total Base #, mg KOH/g, ASTM D 2896		6	Typical
Pour Point, °C, ASTM D 97		- 12	Maximum
Flash Point, °C, ASTM D 92		248	
Density @15 °C kg/l, ASTM D 4052		0.88	Typical

Health & 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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