

ExxonMobil Mobil Pegasus 1 40

Category : Fluid , Lubricant

Material Notes:

Mobil Pegasus 1 is a high performance synthetic gas engine oil designed to meet the highest performance requirements of the most demanding naturally aspirated and turbocharged stoichiometric and lean-burn gas engines. It is formulated from wax-free synthetic base oils and a balanced additive system to provide performance that is unattainable with conventional mineral oil-based gas engine oils. The potential benefit is an improved bottom line through improved engine and oil life, reduced maintenance costs and lower fuel costs. The unique formulation of Mobil Pegasus 1 minimises ash deposits, piston land and ring belt deposits, liner scuffing, and valve seat and valve face wear. It has outstanding resistance to oxidation and the inherently high viscosity index of the synthetic base oil components ensure a protective lubricant film at high temperatures well above the limit for mineral oil-based products. The product will flow at -54° C ensuring good cold startup properties and effective lubrication at cold temperatures. Mobil Pegasus 1 exhibits low volatility, a performance characteristic that helps reduce oil consumption and improve valve lubrication performance measurably. Its unique viscometrics and low traction coefficient reduce power losses and provide potential fuel economy benefits, particularly under variable load, speed and temperature conditions. Mobil Pegasus 1 is recommended for a wide range of gas engine models; The product is particularly suited for high speed, four-cycle turbocharged and naturally aspirated gas engines requiring a nominal 0.5% ash gas engine oil; It is an excellent lubricant for both stoichiometric and lean-burn designs; It is ideally suited for cogeneration and ebullient cooled applications because of its wide temperature range capability and extended engine protection and long oil life; Mobil Pegasus 1 is fully compatible with all seals commonly used in gas engines and with mineral oils but admixture with mineral oils will lower the performance benefits that can be obtained from this outstanding lubricant; May be used with gas engines using alternative energy sources for fuel gas containing up to 0.3% sulphur as hydrogen sulphide

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http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Pegasus-1-40.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	137	137	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	93.8 cSt	93.8 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	13 cSt	13 cSt	ASTM D445
Ash	<= 0.51 %	<= 0.51 %	Sulfated Ash, wt%; ASTM D874

Thermal Properties	Metric	English	Comments
Pour Point	<= -48.0 °C	<= -54.4 °F	ASTM D97
Flash Point	238 °C	460 °F	ASTM D92

Chemical Properties	Metric	English	Comments
Total Base Number	6.5	6.5	mgKOH/g; ASTM D2896

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