

## ExxonMobil Mobil Pegasus 605 40

Category : Fluid , Lubricant

**Material Notes:**

Mobil Pegasus 605 is a high performance natural gas engine oil primarily intended for the lubrication of modern medium and high-speed four-cycle engines operating on fuel that contains corrosive materials such as hydrogen sulphide or halogens (compounds containing chlorine, fluorine, etc.). These engines are generally of the lean-burn design where increased manifold pressures prevent sufficient lubricant from reaching the valve guide areas resulting in low oil consumption which can lead to valve guide wear and valve recession. This effect also increases the potential for wear and acid attack of upper cylinder components from the corrosive materials generated during combustion. The Mobil Pegasus 605 is a 0.5% ash gas engine oil with exceptional reserve alkalinity designed to offset the negative effects of acidic materials 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. Mobil Pegasus 605 provides excellent anti-wear and anti-scuff performance which helps assure minimal piston scuffing, scoring and low cylinder liner and piston ring wear. Mobil Pegasus 605 also exhibits excellent deposit control and prevents siloxane deposits and liner laquering in bio-fuel and landfill gas applications with high silicon content. The prevention of these deposits is key to maintaining effective control of lube oil consumption. This oil can be used for the lubrication of the reciprocating compressors in landfill, mine, coal seam, digester/fermenter, sewage and other biomass gas applications that operate in a wide range of municipal, industrial, cooperative and farm applications (i.e. electric power generation, boiler heating, cogeneration/combined heat and power, etc). Mobil Pegasus 605 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. This product exhibits a high level of chemical stability and resistance to oxidation and nitration. Pegasus 605 offers outstanding resistance to valve train wear and protection against deposit formation. 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 also compatible for use in gas engines equipped with catalytic converters. Gas engines operating on fuel that contains moderate levels of hydrogen sulphide (H<sub>2</sub>S); Engines operating on fuel containing other corrosive materials such as TOHCl (Total Organic Halides as Chloride) such as landfill or biomass gas; Spark ignited four-cycle gas engines with very low lube oil consumption; Medium and high speed four-cycle engines equipped with catalytic converters requiring a low ash gas engine oil; Engines experiencing valve train wear and corrosion; Reciprocating compressors operating on natural gas that contains sulphur or chlorine compounds; High output or naturally aspirated engines operating at or in excess of rated capacity under high temperatures

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Mobil-Pegasus-605-40.php](http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Pegasus-605-40.php)

Physical Properties	Metric	English	Comments
Density	0.890 g/cc @Temperature 15.6 °C	0.0322 lb/in <sup>3</sup> @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	100	100	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	124 cSt	124 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	13.2 cSt	13.2 cSt	ASTM D445
Ash	<= 0.52 %	<= 0.52 %	Sulfated Ash, wt%; ASTM D874

Physical Properties	Metric	English	Comments
Pour Point	-15.0 °C	5.00 °F	ASTM D97
Flash Point	262 °C	504 °F	ASTM D92

Chemical Properties	Metric	English	Comments
Total Base Number	4.9	4.9	mgKOH/g; ASTM D2896

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