



Mobil Pegasus™ 505

Mobil Industrial , Egypt

Gas Engine Oil

Product Description

Mobil Pegasus™ 505 is a premium quality gas engine oil primarily intended for the lubrication of crankcase and power and compression cylinders of spark-ignited two-stroke and four-stroke gas-fuelled engines. It is formulated from high quality mineral oils and an advanced additive system to provide a high level of chemical stability and resistance to oxidation. This, together with its very effective detergency and dispersancy means that the formation of carbon and ash deposits that can cause detonation is negligible. Its excellent anti-corrosion properties prevent corrosive wear in cylinders and bearings. Mobil Pegasus 505 minimizes the wear of rings and bearings, and curtails valve seat wear in turbo-charged four cycle engines. It provides superior engine cleanliness and filter life and extends the periods between engine overhauls. Its high Viscosity Index and low temperature fluidity ensure effective lubrication at high operating temperatures and low starting temperatures. Pegasus 505 is field proven and approved by all major builders of natural gas engines.

Features and Benefits

Mobil Pegasus 505 gas engine oil provides cleaner engines, lower wear rates and improved engine performance. The result is the potential for reduced maintenance costs and improved production capacity. Its good chemical and oxidation stability allows for extended drain intervals and filter cost reduction.

- Clean engines, with extended engine life and reduced overhaul costs
- Long oil, filter and spark plug life with low oil consumption
- Excellent thermal stability and resistance to knocking
- Minimum power loss caused by varnish and sludge
- Freedom from combustion chamber deposits and consequent power loss
- Reduced port blockage with longer intervals between cleanings
- Improved lubrication at high operating temperatures and low starting temperatures

Applications

Mobil Pegasus 505 is recommended for the lubrication of the crankcase and power and compression cylinders of spark-ignited two-stroke and four-stroke gas-fuelled engines. It meets the special requirements of the most modern, high-specific-output or ambient-rated turbo-charged engines operating at, or in excess of, the rated capacity under high temperatures and high altitudes. It also meets the requirements of slow-speed, two-cycle and four-cycle engines operating under normal service conditions.

Typical Properties

Mobil Pegasus 505	Test Method	Unit	
CMCS Code			98743N
SAE Grade			40
Appearance	Visual		Bright and Clear
Viscosity @			
40°C	ASTM D 445	cSt	126
100°C	ASTM D 445	cSt	13.1
Viscosity Index	ASTM D 2270	none	97
Flash Point COC	ASTM D 92	°C	238
Pour Point	ASTM D 97	°C	-15
Total Base Number	ASTM D 2896	mg KOH/g	2.7

Mobil Pegasus 505	Test Method	Unit	
Sulfated Ash	ASTM D 874	wt%	0.5
Calcium	ASTM D 4951	wt%	0.12
Zinc	ASTM D 4951	wt%	0.025
Foam Seq I, Tend/Stab	ASTM D 892	ml/ml	0/0
Foam Seq II, Tend/Stab	ASTM D 892	ml/ml	10/0

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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09-2019
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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 properties may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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