Mobil Pegasus™ 505 Series
Mobil Industrial, United States

Gas Engine Oil

Product Description

Mobil Pegasus™ 505 Series are natural gas engine oils formulated exclusively from specially selected base stocks of high stability. These lubricants provide the excellent performance and economy for a wide variety of engine types, service severity and fuel qualities.

Mobil Pegasus 505 and 505 SAE 30 utilize advanced technology to provide excellent detergency/dispersency protection characteristics along with high-temperature anti-scuff and anti-scoring protection. These oils contain ashless and metallic detergents and are fortified with oxidation inhibitors and antiwear agents. Their use helps minimise carbon and ash deposits.

Mobil Pegasus 505 Series oils combat corrosive wear in cylinders and bearings by neutralising acids. They will also minimize wear of rings, liners and bearings and will help curtail wear in valve seats of turbocharged, four-cycle gas engines. These oils provide good engine cleanliness and filter life.

Features and Benefits

Mobil Pegasus 505 Series gas engine oils provide clean engines, low 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.

Features	**Advantages and Potential Benefits**
Outstanding 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 of high BMEP engines
Good Oxidation and Bulk Oil Stability	Cleaner engines Good oil life Reduced filter costs Good resistance to oxidation and nitration Resists coking and formation of undercrown deposits
Low Ash Formulation	Protects valve seats and faces on four-cycle engines Controls combustion chamber ash formation and improves spark plug performance Less power loss from detonation caused by combustion chamber

	deposits
Good Corrosion Resistance	Protects bearings and internal components
High Quality Basestocks	Reduced port blockage, with longer intervals between cleaning

Applications

- Crankcases and power cylinders of spark-ignited two- and four-cycle gas engines
- Highly loaded 4-cycle engines requiring anti-scuff protection
- Reciprocating compressor cylinders compressing natural gas
- High output naturally aspirated or turbocharged engines
- Recommended for engines requiring 0.5% sulfated ash
- Has been successfully used in:
  - Caterpillar
  - Dresser Rand
  - Fairbanks- Morse
  - Superior
  - Waukesha
  - Worthington

Typical Properties

Mobil Pegasus 505 Series	**505**	**505 SAE 30**
SAE Grade	40	30
Viscosity, ASTM D 445		
cSt @ 40º C	126	85
cSt @ 100º C	13.1	10.2
Viscosity Index, ASTM D 2270	97	97
Sulfated Ash, wt%, ASTM D 874	0.5	0.5
TBN #, mg KOH/g, ASTM D 2896	2.7	2.7
Pour Point, ºC, ASTM D 97	-15	-15
Flash Point, ºC, ASTM D 92	238	236
Density @ 15º C, kg/L	0.886	0.881

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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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 products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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