Mobil Pegasus 505

Mobil Industrial , Brazil

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-cycl 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

Properties and Specifications

Property	
Grade	SAE 40
Ash, Sulfated, mass%, ASTM D874	0.5
Density 15 C, kg/L, CALCULATED	0.886
Flash Point, Cleveland Open Cup, °C, ASTM D92	238
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.1
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	126
Pour Point, °C, ASTM D97	-15
Total Base Number, mgKOH/g, ASTM D2896	2.7
Viscosity Index, ASTM D2270	97

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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05-2020
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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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