



Mobil Pegasus 505

Mobil Industrial , Central America

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 ex 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-tempe anti-scuff and anti-scoring protection. These oils contain ashless and metallic detergents and are fortified with oxidation inhibitors and antiwear agents. Their use 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 a 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 mainte 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.as>

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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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