# Mobil Pegasus 505 Ultra

Mobil Industrial , United States

Natural Gas Engine Oil

## Product Description

Mobil Pegasus 505 Ultra is a natural gas engine oil that is primarily designed for use in naturally aspirated and turbo-charged 4-cycle natural gas engines. It is specifically balanced to perform across mixed fleets of natural gas engines and compressors, excelling where wet gas is present.

Customers have a need to optimize operations and maintenance practices when choosing lubricants for their natural gas engines and compressors. For customers who are utilizing "sweetening", or other methods of utilizing the engine oil to feed the compressor, oxidation and nitration stability are not always as important as the daily lubricant consumption and anti-wear performance. Mobil Pegasus 505 Ultra enables customers in these types of operations to perform their sweetening cost effectively while maintaining the anti-scuffing and wear protection needed for long-term equipment life. Customers that are operating with wet gas applications often must utilize multiple lubricants for the natural gas engines and compressors, as downstream emulsion formations can be caused when utilizing other natural gas engine oils in the compressors. When customers have a need to utilize one lubricant for both applications, Mobil Pegasus 505 Ultra has an advanced additive package that enables consolidation, resulting in reduced expenses and improved operational productivity.

For customers who do not utilize sweetening or do not operate in areas with wet gas, Mobil Pegasus 505 Ultra is designed to help customers reduce their operating expenses through lower oil consumption. The lower oil consumption comes as a result of lower daily lubricant consumption, and a reduced number of oil changes.

## Features and Benefits

Mobil Pegasus 505 Ultra is designed to help customers run their operations efficiently and cost effectively, especially in wet gas and sweetening applications:

| Features | Advantages and Potential Benefits |
|---|---|
| Well-balanced advanced technology additive system for mixed fleet and wet gas applications | Enables customers to consolidate to one lubricant, thereby reducing lubricant tank requirements and expenses across their fleet |
| Lower volatility and oil consumption | Lower daily oil consumption (by up to 50% versus Mobil Pegasus 505 depending on operating conditions and equipment), helping customers reduce annual oil spend |
| Good oxidation and nitration resistance | Longer oil life (up to twice the oil drain interval of Mobil Pegasus 505 depending on operating conditions and equipment), leading to lower inventory costs and reduced maintenance spend |
| Effective corrosion protection, water separation, and overall deposit control | Protects against harmful contaminants like water while optimizing overall engine cleanliness, enabling customers to extend overhaul capabilities and reduce operating expenses |
| Good anti-wear and anti-scuff protection | High level of protection in engines, enabling customers to extend top end and overhaul capabilities, and reduce operating expenses |

## Applications

- Heavily loaded 4-cycle natural gas engines requiring anti-scuff protection
- Reciprocating compressor compressing natural gas, including wet gas

- Naturally aspirated or turbocharged natural gas engines
- Recommended for natural gas engines requiring 0.5% sulfated ash
- Appropriate for use in natural gas engines: Caterpillar, Waukesha, Cummins, Arrow and other small horsepower field units, and many more
- Appropriate for use in compressors: Ariel, Dresser-Rand, and other other reciprocating compressors

### Properties and Specifications

| Property | |
|---|---|
| Grade | SAE 40 |
| Density 15 C, kg/L, CALCULATED | 0.886 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 13.1 |
| Total Base Number, mgKOH/g, ASTM D2896 | 2.7 |
| Ash, Sulfated, mass%, ASTM D874 | 0.46 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 274 |
| Viscosity Index, ASTM D2270 | 97 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 126 |
| Pour Point, °C, ASTM D97 | -30 |

### 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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