

# Mobil Pegasus 710

## Gas Engine Oil

### Product Description

Mobil Pegasus 710 is a premium performance gas engine oil primarily intended for the lubrication of modern high-speed four-cycle engines where oil consumption is very low. These engines are generally of the lean-burn design where increased manifold pressures prevent sufficient lubricant from getting into the valve guide areas. This oil is also recommended for the lubrication of gas compressors. It is formulated from high quality mineral base oils and an advanced medium ash additive system designed to provide excellent protection of engine and compressor components. It exhibits a high level of chemical stability and resistance to oxidation and nitration. Pegasus 710 offers outstanding resistance to valve train wear and protection against deposit formation. These performance advantages combined with its very effective detergency and dispersancy system control the formation of ash and carbon deposits that could result in poor engine performance and detonation.

Its high reserve alkalinity and TBN retention also makes it suitable for engines operating on fuels that contain low amounts of corrosive materials such as hydrogen sulphide. The excellent anti-corrosion properties prevent corrosive wear in cylinders, valve areas and bearings resulting in longer engine life. Mobil Pegasus 710 anti-wear and anti-scuff performance assures minimal piston scuffing, scoring and cylinder and ring wear.

### Features & Benefits

Mobil Pegasus 710 Gas Engine Oil provides cleaner engines, lower wear rates and improved engine performance. The use of this product will result in reduced maintenance costs and improved production capacity. Their excellent chemical and oxidation stability results in longer drain periods and reduced filter costs. The high reserve alkalinity of this product allows its use in engines operating on fuels with low amounts of corrosive materials in the fuel gas.

| <b>Features</b>                                 | <b>Advantages and Potential Benefits</b>   |
|---|--|
| Outstanding Anti-wear and Anti-scuff Properties | Lower wear of engine components<br>Reduced scuffing of liners of highly loaded gas engines<br>Provides excellent break-in protection         |
| High Oxidation and Chemical Stability           | Cleaner engines<br>Extended drain intervals<br>Reduced filter costs<br>Excellent resistance to oxidation and nitration                       |
| Innovative Medium Ash Formulation               | Protects valve seats and faces on four stroke-cycle engines<br>Controls combustion chamber ash formation and improves spark plug performance |
| Excellent Corrosion Resistance                  | Reduces valve guide wear in four stroke-cycle gas engines<br>Protects bearings and internal components                                       |
| Exceptional Reserve Alkalinity                  | Controls formation of acids in the oil<br>Protects engine components from acidic attack  |



## Applications

- Spark ignited four-cycle gas engines with very low oil consumption
- Engines experiencing valve train wear and corrosion
- Engines operating on fuel containing low levels of sulphur and chlorine compounds
- Reciprocating compressor cylinders compressing natural gas
- High output or ambient rated engines operating at or in excess of rated capacity under high temperatures

## Specifications & Approvals

**Mobil Pegasus 710 has the following builder approvals:**

Waukesha (Cogeneration service engines)

## Typical Properties

| <b>Mobil Pegasus 710</b>                      |       |
|---|-------|
| SAE Grade                                     | 40    |
| Viscosity, ASTM D 445                         |       |
| cSt @ 40° C                                   | 121   |
| cSt @ 100° C                                  | 13.2  |
| Viscosity Index, ASTM D 2270                  | 98    |
| Sulfated Ash, wt%, ASTM D 874                 | 0.94  |
| Total Base #, mg KOH/g, ASTM D 2896           | 6.5   |
| Pour Point, °C, ASTM D 97                     | -15   |
| Flash Point, °C, ASTM D 92                    | 249   |
| Specific Gravity 15.6° C/15.6° C, ASTM D 1298 | 0.896 |

## Health & 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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