

# Mobil Pegasus™ 605 Ultra 40

High-performance gas engine oil



Energy lives here™

## Key benefits



Enhanced equipment productivity and minimized maintenance downtime and expense due to exceptionally long drain intervals



Extraordinary detergent-dispersant system helps keep engines clean despite contaminants common to landfill and biomass gasses



Minimized wear on components and scuffing on liners

Mobil Pegasus™ 605 Ultra 40 oil is designed to provide optimum performance in high-speed, four-cycle engines operating on landfill and biomass gas. Through a balanced formulation, this advanced oil can help:

- Control the formation of carbon and varnish deposits
- Enhance spark plug performance
- Protect valve seats and faces and minimize power loss from detonation

## Clean, anti-wear performance

Power cylinder assembly



After 11,899 operating hours on Mobil Pegasus™ 605 Ultra 40 (35,519 total engine hours), critical components were removed and evaluated. Power cylinder assemblies showed minimal carbon deposits, varnish and lacquer in piston lands and grooves.

Liners



Even after 7,000 hours of operation, the liner above shows that the exceptional anti-wear and dispersant technology in Mobil Pegasus 605 Ultra 40 prevented scuffing, bore polishing and the formation of lacquer.

9 builder approvals received

# Mobil Pegasus™ 605 Ultra 40

## Specifications and approvals

Waukesha-Landfill applications

MWM TR 0199-99-2105, Lube Oils for Gas Engines

GE JENBACHER TI 1000-1109 (Class B fuel gas, Series 2 & 3)

GE JENBACHER TI 1000-1109 (Class B fuel gas, Series 4A, 4B & 4C)

GE JENBACHER TI 1000-1109 (Class B fuel gas, Series 6 up to version E)

GE JENBACHER TI 1000-1109 (Class C fuel gas, Series 2 & 3)

GE JENBACHER T 1000-1109 (Class C fuel gas, Series 4A & 4B)

GE JENBACHER TI 1000-1109 (Class C fuel gas, Series 6 up to version E)

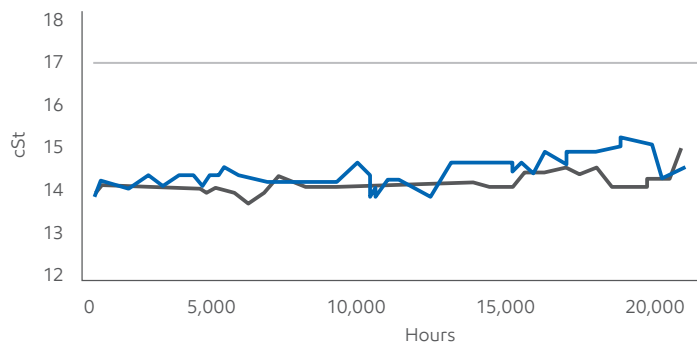
Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260)

## Exceptional durability

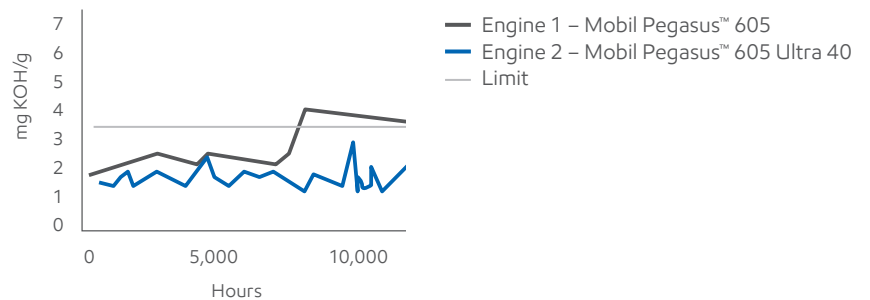
In comparison tests performed in GE Waukesha APG 1000 gas engines, Mobil Pegasus 605 Ultra 40 engine oil demonstrates equivalent viscosity control and superior Total Acid Number (TAN) control to Mobil Pegasus™ 605 oil at **double the oil drain intervals** (ODI) – 1,000 hours compared to 500 hours.

These tests show outstanding durability, allowing operators to extend drain intervals, which can help reduce maintenance downtime and costs while increasing engine availability and production.

### 100°C Viscosity



### TAN



## Industrial Lubricants



**Advancing  
Productivity™**

## Safety

Long drain intervals minimize the need for maintenance and the risks associated with employee-equipment interaction.

## Environmental Care†

Use of landfill gas reduces methane emissions and lessens dependence on fossil fuels. Mobil Pegasus™ 605 Ultra 40 engine oil supports this use through capabilities that help minimize operational costs and optimize engine performance.

## Productivity

Enhanced engine durability and deposit control, as well as long drain intervals, minimize need for maintenance downtime, which helps boost engine availability for peak production.

\*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 [exxonmobil.com](http://exxonmobil.com). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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