Carb & Turbo

Alternative Fuel Systems Specialists

Compressed Natural Gas (CNG) - Propane (LPG)

Reduce Your Fuel Costs and Exhaust Cleaner Emissions

The emerging North American market is experiencing compelling growth of equipment and vehicles powered with less-expensive, eco-friendly alternative fuels.

***Internal combustion engines powered by propane are poised for significant growth** – in many cases propane is the alternative fuel that is most suitable for the application (considering costs, performance, refueling infrastructure, return on investment, system components, additional weight, etc.). PERC has predicted that propane sales for this market segment should double – from approximately 600 Million gallons sold during 2011 to 1.2 Billion gallons to be sold during 2020.*

As an example of the diversity and impact of this opportunity, recently a bi-fuel system was installed onto a SOMERO Concrete Laser Screed® (model S-840)... this machine places and levels concrete.

Horsepower remains the same, weight has been more evenly distributed (front to back), emissions have been dramatically improved – by as much as 91%, and the machine operates flawlessly.

Before the bi-fuel conversion system was installed, this machine exceeded the EPA's maximum acceptable limit – its emissions were nearly 5 to 7 times greater than that which is considered to be safe. It now complies with EPA guidelines and safely operates well below, about half, the acceptable maximum limit enabling it to be used indoors and without the operator having to use a breathing apparatus.

Below are the recorded exhaust emissions

	Idle		Full Load	
	Gasoline	**Propane**	Gasoline	**Propane**
Carbon Monoxide	6.63%	**0.56%**	4.83%	**0.65%**
Hydrocarbons (PPM)	191	**111**	113	**41**

Per EPA guidelines, carbon monoxide readings greater than one percent (1%) are unacceptable for indoor use.

*Below listed are **market segments that have demonstrated a desire to use propane**.*

- *Agriculture*
- *Construction*
- *Lawn & Garden*
- *Commercial & Industrial*
- *Delivery & Transportation*
- *Power Generation*

*Contact **CARB & TURBO** today to learn more and start growing your business*

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