



www.dgaz.gr

D-gaz company is the first who imported the GEN IV LPGas fuel system for diesel engines of **Diesel Gas Australia** in Balkan area.

Diesel Gas Australia is considered to be the first that developed the LPGas fuel system for diesel engines in the global market with the association of the greatest European companies at this sector.

HOW THE SYSTEM WORKS

- The Diesel/Gas Australia system allows a small amount of LPG (up to 30%) to be injected into the engine via the air intake system.
- The LPG improves the combustion process, ensuring most of the diesel (95%-98%) injected is burnt.

THE MAIN PROCESS

The major principle behind fumigating a diesel engine with LPG is that the LPG enhances the combustion process of the engine.

It effectively increases the burn rate of the diesel thus increasing the energy output from every litre of diesel injected into the engine.

This coupled with the fact that LPG has a higher energy output than diesel adds to the increase in the performance of the engine.

WHAT DOES THIS ALL MEANS?

Greater
Economy

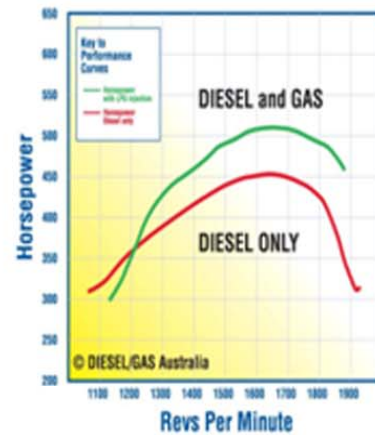
Improved
Drivability

Cleaner
Emissions



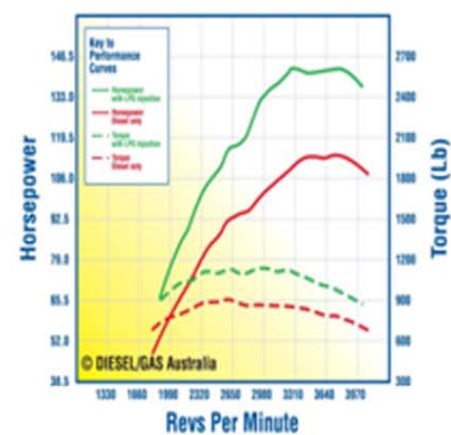
DYNAMOMETER RESULTS

Kenworth C15



DYNAMOMETER RESULTS

Nissan GQ Patrol 4.2L Turbo (TDI)



BENEFITS

- Savings in fuel costs
- Increase in Power
- Increase in Torque
- Gear changes are reduced
- Higher average speeds are maintained
- Quieter, smoother and cleaner engine
- Less carbon contamination, so the engine oil stays cleaner for longer, extending life of the engine
- Virtually all black smoke eliminated
- Greater range per fuel tank

WHAT CAN WE FIT OUR SYSTEM TO?

- 4WD's / SUV's
- Commercial vehicles
- Small to large motor homes
- Small to large trucks

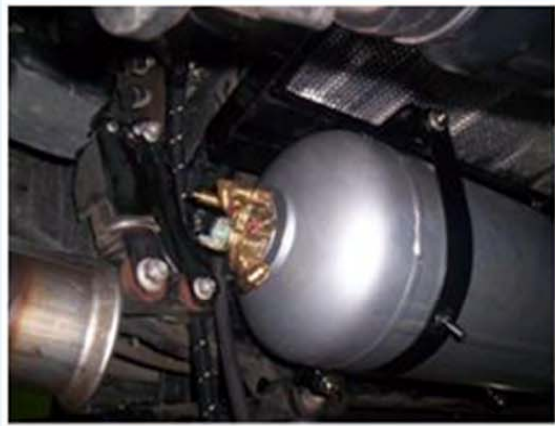


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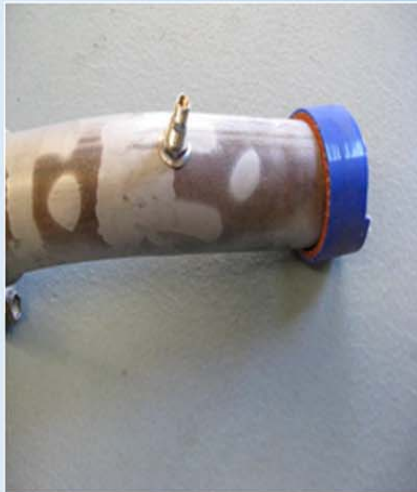
- Mining equipment
- Farming equipment



EXAMPLES OF TANK FITMENT



NOZZLE FITMENT PRIOR TO THE TURBO



Stationary Engines

Diesel Gas Substitution

