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EVOL LNG TO OFFER NEW DUAL FUEL SYSTEM

Accessing the many benefits of natural gas as a transport fuel is now easier following the partnership of Kleenheat Gas' EVOL LNG and engine technology company American Power Group Inc.

The two have teamed up to bring the patented V5000HD natural gas – diesel dual fuel technology to the Australian market, offering operators of medium and heavy duty vehicles a simple yet efficient conversion that can provide reduced emissions levels (up to 12 per cent CO₂e) and running cost savings without loss of power.

The aftermarket conversion is available from EVOL LNG and can either be set-up as a diesel – LNG (liquefied natural gas) or diesel – CNG (compressed natural gas) conversion.

The V5000HD system burns diesel and natural gas simultaneously, typically at an average 40-50 per cent diesel fuel substitution rate. Peak substitution can be much higher.

After the conversion, the vehicle can either operate on the two fuels simultaneously or shift seamlessly to run on 100 per cent diesel should the vehicle be away from the refueller network.

Simplicity is one of the key features, providing a reliable and low cost system. All conversion hardware is mounted externally of the engine and does not interfere with the engine integrity or design. The technology has been developed to maintain OEM specifications of all engine parameters including coolant, oil, exhaust gas and intake air temperatures.

Kleenheat Gas General Manager, Graham Smith, said the V5000HD system had undergone extensive testing and product improvement needed for Australian conditions prior to its commercial release.

"This technology is US EPA-approved and is available in the United States" Mr Smith said.

“Our own testing and customer trials in Australia have been extremely successful giving us confidence in the suitability of the conversion for Australian conditions.

“Operators and fleet owners can also rest assured in the knowledge that they are dealing with an experienced, professional and reputable company in Kleenheat Gas, a division of Wesfarmers Chemicals, Energy and Fertilisers.”

The V5000HD system is suitable for fitment onto a wide range of diesel commercial vehicle engines, however prior to converting, EVOL LNG will review the suitability of the dual fuel system to a customer’s specific application.

The conversion can be performed in a matter of days by EVOL LNG certified installers, leading to minimal downtime. Initially, certified installers will be located in Perth and Melbourne.

EVOL LNG also offers LNG training, advice, service, trouble shooting and repairs if required.

A further benefit of the V5000HD is that it can be transferred to another vehicle should the original truck’s lifecycle be complete.

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