



Results of Trial for APT's Fuel Oil Emulsion

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The Ahura

Alternative Petroleum Technologies (APT), a US based Technology Company, released information today about an ongoing trial of its Fuel Oil Emulsion (FOE) technology on the *Arahura*, a ferry belonging to Interislander/KiwiRail, a state owned entity in New Zealand. The trial has been planned and overseen by its partner, Blended Fuel Solutions New Zealand Limited, and Interislander staff.

The trial is independently monitored and scheduled to run for three months, and is a continuation of an earlier pilot trial which showed reduced fuel consumption of 3 to 5% and reduced stack emissions. To prepare for this trial, the engine used went through planned maintenance and a controlled month long run on standard bunker fuel. It was then internally inspected, refitted with refurbished injectors, and released for the trial using the FOE fuel.

Initial results on a FOE emulsion containing 8% water appears to have confirmed reduced fuel consumption and further trials are underway to validate this in monitored, operational conditions.

Interislander's Operation Project Manager Malcolm Sims says that "the potential fuel savings area significant component of our drive for efficiency and environmental responsibility".

Blended Fuel Solutions NZ ltd, Managing Director Leigh Ramsey, says "as Interislander and KiwiRail is a large user of liquid fuels in New Zealand it was a no-brainer they should consider this technology to improve fuel efficiency and reduce a multitude of stack emissions".

Alternative Petroleum Technologies Jack Waldron VP Engineering says "we are pleased with the progress of the trial and the results that have been independently validated by Interislander consultants. The independent results being reported are as expected from the technology"

The FOE trial is also receiving support from New Zealand's Energy Efficiency and Conservation Authority (EECA) under a "Technology Demonstration Project" grant. These grants aim to encourage the adoption of emerging energy efficiency and renewable technologies.