Australian Government
Department of Industry, Science, Energy and Resources

DXP
PREMIUM FUEL ADDITIVE

UTS
UNIVERSITY OF TECHNOLOGY SYDNEY

Experimental test and optimization of energy additive for combustible fuels to lower pollutant gases

Activity No: 1000188

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Funding Organization: Innovation Connections

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A full spectrum of mechanical engineering tests and chemical analysis over 12 months was performed to determine the benefits that DXP Premium Fuel Additive can have on improving fuel quality, eliminate known issues, reduce emission and minimising mechanical wear and tear.

Professor Abul Kalam is a lead researcher and analyst in the fuel industry and responsible for over 50% in global research of diesel and biofuels.

These result far exceeded expectations and will now lead to further testing in performance trials and more relatable results in a wide range of vehicles, industries and blended fuels.

- Proven safe, and unable to have detrimental affects on engines
- Sustainable and organic from a renewable resource
- Hydrophilic, Eliminates issues around moisture and hygroscopic fuel properties
- Improved atomisation, promotes fuel efficiency and more complete combustion
- Significant emission reduction,
  - over 50% in petrol
  - up to 15% in diesel and biofuel blends
- Reduces mechanical wear and tear
- Resolves all issues related to biofuels and biofuel blends
- Removes environment for biological growth, kills and eliminates any growth potential
- Improves power & torque of all fuels
- Improves power rating, Cetane by 5 points, Octane by 2 points
- Reduces the dilution of fuel into lubricant oils
- Effective up to 1ml:3000ml blends