

## RESULTS



Date 07/26/06

Advanced Power Systems International, Inc

558 Lime Rock Rd  
Lakeville, CT 06039

Re: Fitch Fuel Catalyst experiment - Gasoline

We have performed the series of ASTM tests required for gasoline plus additional ASTM tests requested by APSI, on a sample of commercial grade gasoline with 10% ethanol content. A portion of the fuel sample was exposed to a Fitch Fuel Catalyst at our laboratory in New Haven CT under our supervision. After exposure to the fuel catalyst, the ASTM tests were performed on the blank untreated fuel, and the treated fuel. Results are on the following page.

### Discussion of Results

Both the untreated and treated fuel are within specification and suitable for commercial use.

The fuel treated by the fuel catalyst had superior characteristics compared to the untreated fuel in the following categories that relate to performance:

ASTM D5291 Ultimate Analysis Ratio of Hydrogen to Carbon  
ASTM D2700 Motor Octane Number

The fuel treated by the fuel catalyst had superior characteristics compared to the untreated fuel in the following categories that relate to emissions:

ASTM D4814 Vapor / Liquid Ratio  
EPA VOC Reduction Percentage  
EPA TOX Reduction Percentage

The fuel exposed to the Fitch Fuel Catalyst is preferable from the perspective of the consumer and would be our recommendation compared to the untreated fuel.

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