

FITCH FUEL CATALYST



Manufactured by: Advanced Power Systems Intn'l

Distributed by: Power Fuel Savers LLC

Long Beach, CA ~ on the web at www.pofusa.net

Contact: Mark Phillips, Tel: 562-537-0165

Fuel Savings of approximately 7% plus other benefits documented by vessel owner == >>



Vessel owner shares his experience with the Fitch Fuel Catalyst after approximately 1 year of using it on his commercial tuna boat.

Name of Vessel: f/v Day Island

Type of Vessel/fishing license-activity: Wooden tuna boat used for trap fishing for spot prawn as well as tuna trolling.

Year Built: 1944

Main Propulsion Engine Type: Cummins KTA

No Hours Approx(before install of FFC): 18,426

Gen Engine Type: John Deere

No Hours Approx(before install of FFC): 4,025

Owner/Operator: Keith Hoeflinger, Simi Valley, CA

Date of Fitch Install: July 2009

Main: 2 x FFHD-75:

Gen Set engine: FFHD-50:

Approx No of Hours since install of FFC units: 425 main, 518 gen-set

Typical trip (duration, activity): 28 hours on main, 42 hours on gen-set
Typical passage is three to six hours, typical run time on main is twelve to sixteen hours per day. Generator runs 24 hours per day while fishing.

Lowest Fuel Consumption per typical trip before Fitch install: 175 gallons

Lowest Fuel Consumption per typical trip after retrofitted w/Fitch: 165 gallons

Initial Observations by Mr. Hoeflinger after retrofitted with Fitch Fuel Catalyst:

Main Engine:

Smoke levels: Substantial decrease in soot and smoke. (Fitch may cause initial increase in smoke during the break in period of cleaning out the system of the deposits and build up)

Exhaust stack: After four trips the carbon build up steadily reduced and the stack is now remains clean

Engine Noise: No difference noted.

Gen Set Engine

Smoke levels: Substantial decrease in soot and smoke. (Fitch may cause initial increase in smoke during the break in period of cleaning out the system of the deposits and build up)

Exhaust Stack: After four trips the carbon build up steadily reduced and the stack is now remains clean

Engine Noise: The crew noticed that the engine was quieter almost immediately after Fitch installation.



John Deere engine used with 100 Kw generator with Fitch Heavy-Duty unit mounted on wooden support bracket. Close up of installation below.



Cummins KTA855 main propulsion engine with dual Fitch Heavy-Duty units mounted in series on RHS of engine using wooden support bracket. Close up of installation shown below. Fuel flows from filters on right through both Fitch units into injector pump on left.

