

BOILER INSTALL REPORT

760 Grand Concourse, Bronx NY

FITCH FUEL CATALYST

Prepared by:
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Dated December 1, 2009

Measure the effect of Fitch Fuel Catalyst on emissions and burner efficiency.

Fitch Fuel Catalyst - Model FHD-5UL manufactured by APSI installed by Marathon Energy Corp.

Property Managers: Mandn Management

Location: 760 Grand Concourse, Bronx, NY

Test Personnel: Jerry Drenis, Marathon Energy Corp.

The boiler was cleaned on November 30, 2009. Marathon Oil installed the unit December 1, 2009 and measured the emissions and efficiency readings and ensured the system was operating within specification. A retest was completed on December 7, 2009. No additional adjustments were required.

Location	Combustion & emissions measurements	Baseline data	With Fitch in after 1 week running	% Change
Mandn Management	Inlet temp	76	83.80	10.3%
760 Grand Concourse	Stack temp	545	535.60	-1.7%
Bronx NY	Nett temp	469	451.80	-3.7%
	O2 %	6.6%	6.30%	-4.5%
	Excess air %	42.5%	40.60%	-4.5%
	CO2 %	11.5%	11.69%	1.4%
	CO PPM	38	81	113.2%
	Efficiency %	82.1%	83.80%	2.1%
	Smoke	2	1	-50%

Conclusion

A 2.1% efficiency improvement translates into an estimated 8.75% fuel savings. Zero smoke is an indicator of optimal combustion.

