



QUARRY GENERATOR - CRUSHING OPERATION

EASTERN ONTARIO - WEEK OF SEPTEMBER 19, 2006

CONDUCTED BY TADGER GROUP INTERNATIONAL

PROCESS: Install by-pass system onto fuel feed line. Install flow-meter onto return fuel line.
 Run fuel around the TADGER, through the TADGER and then around the Tadger again
 Flow rates fluctuate slightly so record at least 5 random readings without, with and then without the TADGER
 Calculate average readings and produce findings with information provided by company representatives

FINDINGS:

	AVERAGE FLOW RATE READINGS				FUEL CONSUMPTION		SAVINGS @ \$.80 L		
	Without TADGER	With TADGER	Diff.	%	Daily	Savings	Daily	Monthly	Yearly
<u>Cornwall Gravel - Avonmore</u> 1999 CAT 3512 Operating at 35% load - 1800 RPM	1.193	1.226	-0.033	-2.77%	1800	-49.8	-\$39.83	-\$876.31	-\$10,515.74
<u>Cruickshank - Green Valley</u> 1979 CAT D398 Operating at 50% load - 1200 RPM	0.290 *	0.290 *	0.000 *	0.00%	1200	*	*	*	*
<u>Cavanagh - Almonte</u> 2001 CAT 3412-E Operating at 80% load - 1800 RPM	1.234	1.297	-0.063	-5.11%	1100	-56.2	-\$44.93	-\$988.40	-\$11,860.75

* Flow rate was too low to detect changes with the TADGER instrumentation (flow meter) and
 The TADGER had to be installed prior to a 3 part filter which may have reduced the TADGER's effectiveness.

CONCLUSION:

These tests have proven the TADGER's effectiveness in reducing fuel consumption.
 Return on investment for these units can be met in less than 2 months.

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