



## Mileage Improvement Program

**Location: Clare Rose Inc.**

**Dates: Sept. 15, 2006 – Nov. 22, 2006**



**Clare ROSE**

# Summary

Tadger Group International and Clare Rose Inc. collaborated to demonstrate the Tadger in-line fuel economy improvement technology.

This testing program was performed to an agreed on protocol. The test vehicles were equipped with the Tadger technology, run with revenue generating loads and both the “before Tadger” and “with Tadger” mileage was calculated using the Clare Rose fuel tracking system.

The tests on three different vehicles indicated improvements in fuel economy.

# Definitions

MPG.....Miles per Gallon

EGR.....Exhaust Gas Recirculation

# Vehicles

2005 Cat C13 engine with EGR system (1) - Tractor

2005 Cat C7 engines with EGR system (2) – Route trucks



# Test Procedure

- 1) Extract “before Tadger” data from fuel tracking system for Tadger vehicles
- 2) Install Tadger on Tadger vehicles (15 min. each)
- 3) Run revenue generating routes with all trucks
- 4) Extract “with Tadger” data from fuel tracking system for Tadger vehicles

# Results

The results have been documented and illustrated on the attached charts.

Additional test results for other municipalities, private industry and larger fleets is available on request or at [www.tadgergroup.com](http://www.tadgergroup.com)

### Before Tadger

VEHICLE NO.	TRUCK ID	MILES	GALLONS	MPG
198	45	33,611	7,006.30	4.797
213	S111	4,553	960.2	4.742
232	S114	1,651	354.7	4.655

### With Tadger - Sept. - Oct. 2006

VEHICLE NO.	TRUCK ID	MILES	GALLONS	MPG
198	45	3,695	730.6	5.057
213	S111	4,253	821.4	5.178
232	S114	999	207.3	4.819

### With Tadger - Oct. - Nov. 2006

VEHICLE NO.	TRUCK ID	MILES	GALLONS	MPG
198	45	5,965	1,218	4.897
213	S111	1,576	318	4.956
232	S114	1,214	252	4.817

## Summary

VEHICLE NO.	TRUCK ID	MPG BEFORE TADGER	MPG WITH TADGER	% CHANGE
198	45	4.797	4.957	3.3%
213	S111	4.742	5.116	7.9%
232	S114	4.655	4.818	3.5%

Overall  
Change

4.9%

# Fuel Savings & R.O.I. - Tractors

Over-the-road trucks

Fill in the 4 grey boxes - H9, H10, H11, H12

## FLEET INFO

Monthly customer fuel useage in Litres or Gallons	→	5,600
Average cost of fuel / litre or gallon	→	\$2.50
# of Tadgers required	→	8
Tadger Savings as a %	→	4.90%

## R.O.I.

Return on Investment (ROI) in months	→	<b>8.7</b>
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## SAVINGS

Monthly profit per Tadger	→	\$85.75
Monthly profit for fleet	→	\$686.00
Annual profit for fleet for 1st year	→	<b>\$2,240.00</b>
Annual profit for fleet after 1st year	→	<b>\$8,232.00</b>

## INVESTMENT

One time investment per Tadger	→	\$749.00
One time investment for fleet	→	\$5,992.00

# Fuel Savings & R.O.I. – Route Trucks

## Route trucks

Fill in the 4 grey boxes - H29, H30, H31, H33

### FLEET INFO

Monthly customer fuel useage in Litres or Gallons	→	12,600
Average cost of fuel / litre or gallon	→	\$2.50
# of Tadgers required	→	36
Tadger Savings as a %	→	4.90%

### R.O.I.

Return on Investment (ROI) in months	→	<b>8.7</b>
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### SAVINGS

Monthly profit per Tadger	→	\$42.88
Monthly profit for fleet	→	\$1,543.50
Annual profit for fleet for 1st year	→	<b>\$5,022.00</b>
Annual profit for fleet after 1st year	→	<b>\$18,522.00</b>

### INVESTMENT

One time investment per Tadger	→	\$375.00
One time investment for fleet	→	\$13,500.00

# Discussion & Conclusion

TADGER  
GROUP  
INTERNATIONAL



CUSTOM MADE FOR  
CLEANER AIR & LESS FUEL

The purpose of this test program was to demonstrate the product for its effect on vehicle fuel economy.

A total of 3 vehicles were monitored with and without the Tadger product installed..

The results of this test program indicated that the Tadger is effective in improving fuel economy.