

ECO Systems- Fuel Enhancer Test Report

BBB Rating & Accreditation



Lowers Emissions
Improves Performance
Fuel consumption Reduction
Lowers Maintenance Cost
Helps the World Breathe Easier
NO maintenance, NO consumables are required.

SGS U.S. Testing Company Inc Pressure tested: 10,000 psi No: 162482
California Air Resources Board (CARB): No: D-227-2
Patent No.: US 7,942,135 B1, US9,644,153 B2



Overview



Supplier:	Better Emissions Company (BEC)
Fleet Owner:	SELECT Energy Services(SES)
Work Scope:	SES from Texas, USA has entered the ECO Systems' Pilot Program in July 2023. SES requested to install and test on 3 Kenworth trucks and scheduled installation from 1st of July 2023. BEC commenced the installation on schedule for a total of three Kenworth trucks. Vehicle type: Kenworth truck with Cummins X15 engine Testing Period: Jul 1st, 2023 – Jul 28th, 2023
Type of ECO Unit tested:	ECO# 5

Vehicle information:



Fleet owner	Vehicle/Model	Id Numbers	Engine Petrol/Diesel	Engine Type	ECO Systems
SELECT Energy Services	Kenworth	501495	Diesel 550HP	Cummins X15/2022	ECO#5
		501818	Diesel 550HP	Cummins X15/2022	ECO#5
		501819	Diesel 550HP	Cummins X15/2023	ECO#5



Installation Photo's

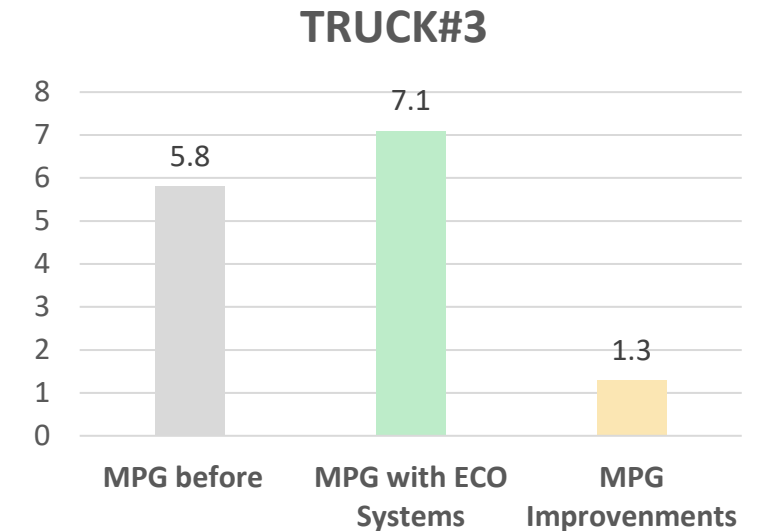
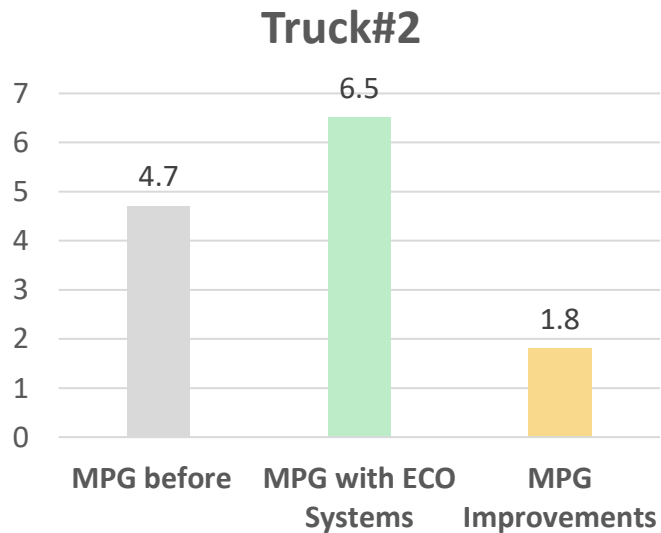
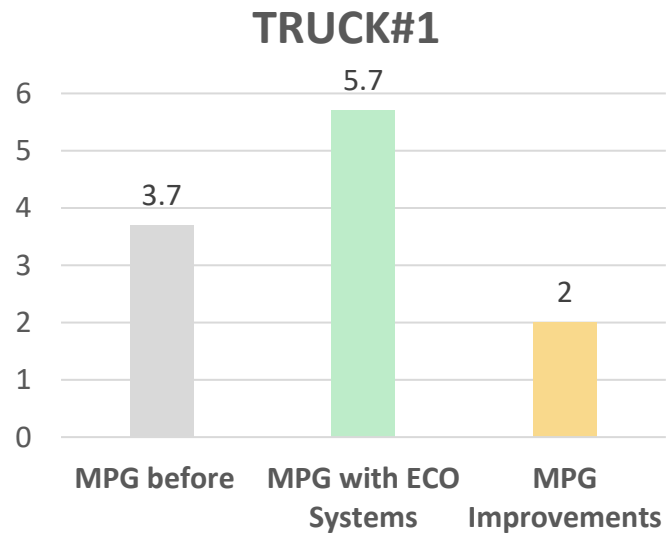


The ECO#5 is illustrated and installed in the middle of the primary and secondary fuel filter

Fuel Consumption result: Kenworth, Cummins X15



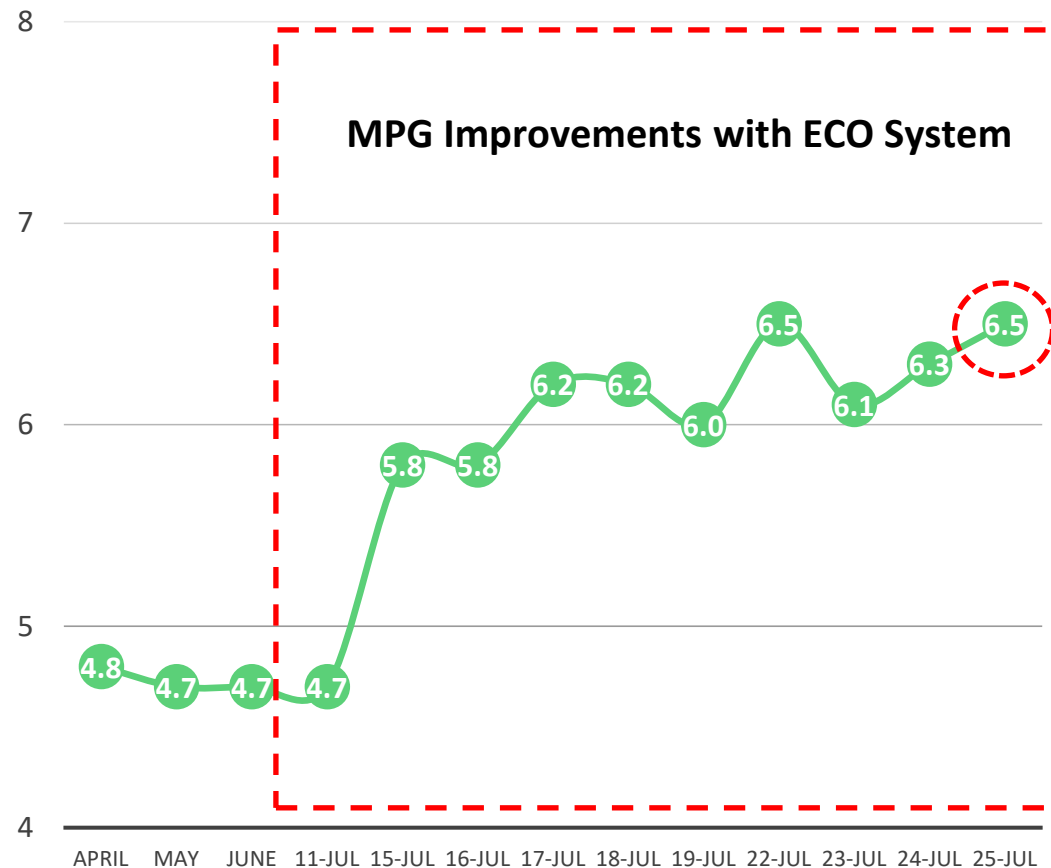
Truck	MPG before	MPG with ECO Systems	%Δ MPG Improvements
Kenworth, Cummins X15 Truck #1	3.7 mpg	5.7 mpg	2.0 mpg
Kenworth, Cummins X15 Truck #2	4.7 mpg	6.5 mpg	1.8 mpg
Kenworth, Cummins X15 Truck #3	5.8 mpg	7.1 mpg	1.3 mpg



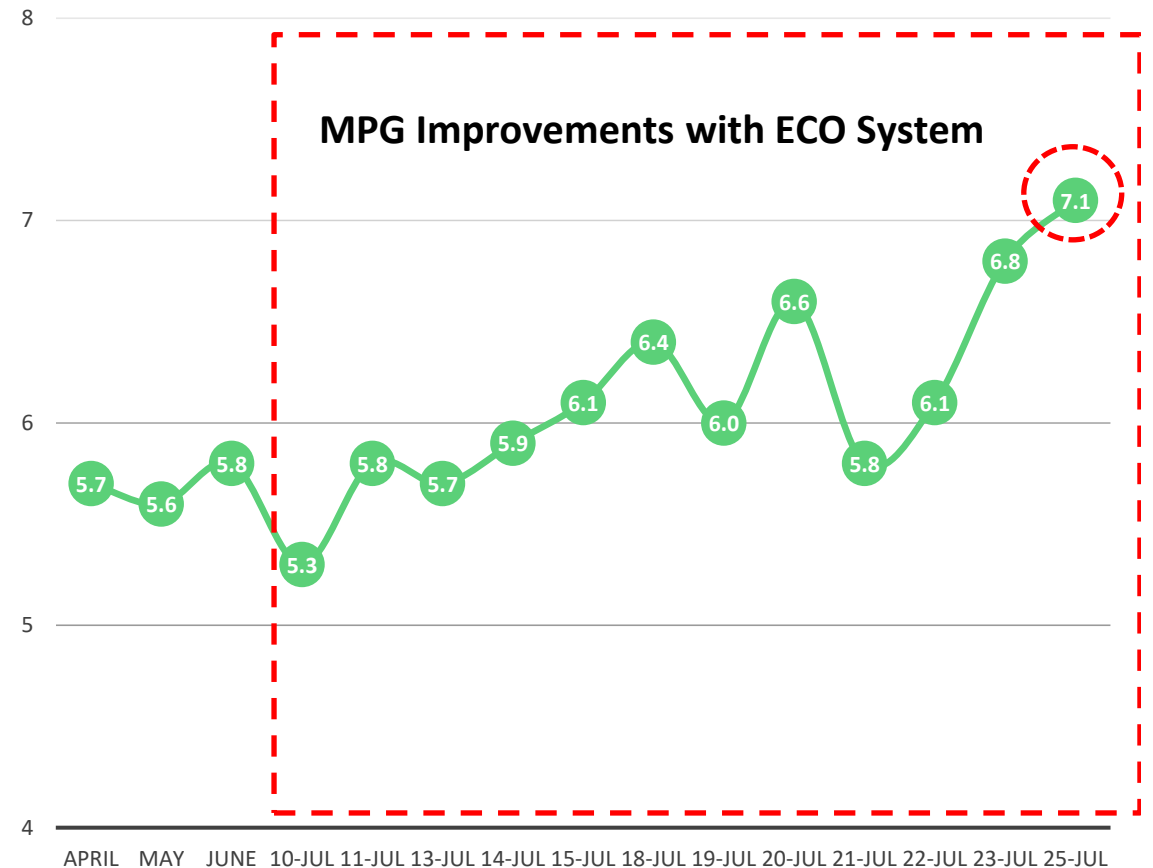
Daily MPG analysis & Improvements



Truck#2 501818



Truck#3 501819



EXECUTIVE SUMMARY:



Summary:

- **Fuel consumption:** The fuel consumption data *before* installing ECO Systems was Truck#1: 3.7MPG, Truck#2: 4.7MPG, Truck#3: 5.8 MPG respectively.
- The fuel report after installing ECO Systems showed a significant *increase of Truck#1-2.0MPG, Truck#2-1.8MPG, Truck#3 -1.3 MPG respectively* within the 1st first month and still maintaining the same MPG's on all its truck fleet with ECO Systems to date (28th July 2023).
- The initial investment cost is low and will be recouped within 1-2 months.
- Approximate saving per truck is \$12,600 per year. There are 50 trucks, and the Company can save \$630,000 on fuel only.
- **Regen:**
Before installing ECO Systems, these trucks used to Regen 2 times a week, due to high idle time whilst after installing ECO Systems, these trucks only Regen once a month. This means reduction of emissions and DEF fluid and that the engine is running cleaner and smoother.

Feedback from the Shop/ Fleet Manager, Joshua Hinojosa:

- Truck#1-2.0MPG, Truck#2-1.8MPG, Truck#3-1.3MPG increase compared to before
- Used to refuel 53-55gallons of fuel per day, whilst refueling 42-44 gallons of fuel with ECO Systems
- Mr. Josh's own Ford F-150 truck with ECO 4 has an MPG increase from 13 to 18.2 MPG
- Difference/Improvement on MPG is realized within the first few days
- Drivers stated that it shifts with ECO Systems



Better Emissions Company LLC:

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SELECT Energy Services:

Date: 28th of Jul 2023

NAME: Joshua Hinojosa

Title: Maintenance/ Fleet Manager

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Better Emissions Company LLC

ECO Mine Systems LLC

Date: 28th of Jul 2023

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