

Empirical Test Results Using Eco-Transport Coating

Each study described below was performed under the supervision of in-house (Freight Co.) representatives, and the results from these studies were relayed from the freight company to Eco-Protective Products, LLC.

Study Location: Las Vegas, Nevada

- 1) Evaluation Vehicle: A 45 ft Refer trailer, utilizing the same route and driver
- 2) Testing Period: 4 weeks, two weeks uncoated, two weeks coated
- 3) Data collected on a daily basis:
 1. Compressor running time
 2. Truck running time
 3. Total fuel used by compressor unit
- 4) Results:

Compressor Run Time Totals:

Un-coated over two week period 108 hrs or 54 hrs per week
Coated over two week period 113.5 hrs or 56.75 hrs per week

Truck Run Time Totals:

Un-coated over two weeks 44.25 hrs or 22.125 hrs per week
Coated over two weeks 42.25 hrs or 21.125 hrs per week

Total Fuel Used By Compressor Unit

Un-coated over two week period 152.18 gal or 76.09 gal per week
Coated over two week period 140.5 gal or 70.25 gal per week
Coated trailer used 11.68 gal less or 5.84 gal less per week

Fuel Savings: Even though the compressor ran 5.5 hrs more in the two weeks after the trailer was coated, the unit still used 11.68 gal less than the first two weeks. This averages 5.84 gallons less per week at \$2.86 dollars per gallon equals a savings of \$16.70 dollars per week.

Study Location: Phoenix, Arizona
Test Duration: 25 Hours 15 Minutes

28' Foot Trailers

Fuel used and engine run time for two 28 ft trailers tested on May 8, 2007 from 1:30 pm to May 10, 2007 at 2:45 pm. test on 28ft trailers. The ambient temperature at the start of the test was 90 degrees F. 1 Trailer was coated with Eco-Transport Coating; the other was uncoated.

Fuel Consumed (Maintaining Constant 0°F Inside Trailer)

Un-Coated - 22 gallons
Coated - 19 gallons

34' Foot Trailers

Fuel used and engine run time for two 34 ft trailers tested on May 10, 2007 from 4:00 pm to May 11, 2007 at 2:45 pm. test on 28ft trailers. The ambient temperature at the start of the test was 100 degrees F. 1 Trailer was coated with Eco-Transport Coating; the other was uncoated.

Fuel Consumed (Maintaining Constant 0°F Inside Trailer)

Un-Coated - 14
Coated - 8.1

Study Location: Dallas, Texas

Test Duration: 25 Weeks

Compressor Hours

Un-Coated 25 Week Total – 1463 hrs Weekly Avg. – 58.5 hrs

Coated 25 Week Total – 1364 hrs Weekly Avg. – 54.6 hrs

Coated trailer ran 99 hrs less or 3.9 hrs less per week

Fuel Usage

Un-Coated 25 Week Total – 1302 gal Weekly Avg. – 52.1 gal

Coated 25 Week Total – 1138 gal Weekly Avg. – 45.5 gal

Coated trailer used 164 gal less or 6.5 gal less per week

Fuel Savings 164 gal x \$2.25 = \$ 369.00 or 6.5 gal x \$2.25 = \$14.63 per week

Trailers used for this test ran similar routes (mileage, stops, loads) for a 25 week period.

Study Location: Miami, Florida
Duration: 1 Year

Trailers Coated: 115
Trailer Size: 28' and 40' Trailers

Excerpt from letter from Fleet Manager:

“...our total overall reduction in fuel consumption is down 11% and our total fuel mpg (tractor and refer unit) is up .21 mpg which equates to \$225,000 annually. In addition to the trailer coating we have had a tremendous drive to reduce idle time and total route miles which all contributed to this savings.”

Study Location: Tampa, Florida
Duration: 1 Year (June 2008 - June 2009)

Trailers Coated: 30
Trailer Size: 28' and 40' Trailers

Results Derived From Comparing Year End '08 (June) with Year End '09 (June) Fuel Consumption Numbers.

Annual Fuel Savings: 12,820 gallons or 427 gallons per trailer
Average Weekly Savings: 246.5 gallons or 8.2 gallons per trailer
Average Price for Fuel 06/08-06/09: \$3.90
Total annual savings: \$49,998