

Efficiency Analysis Systems

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Data Requirements

Data Types

Data requirements will primarily be driven by customer needs.

A standard analysis consists of Weekly and Monthly averages for Miles per Gallon (*MPG*), and Gallons per Hour (*GPH*). If the customer so desires temperature and vehicle load normalized *MPG* and *GPH* figures will also be delivered in addition.

Therefore the data requirements for a standard analysis are the daily gallons, miles, and hours, daily vehicle load data will also be needed if the customer wishes to normalize for load. Efficiency Analysis Systems will procure temperature data if needed.

Our second tier of analysis consists of normalizing for the effects of the vehicle drivers. The drivers are the most influential single contributing factor, with some studies stating that drivers account for up to 30% of *MPG* variance. Due to the serious nature of the implications of grading vehicle drivers, this level of analysis more than doubles the complexity of the analysis. This translates into data requirements that include daily Miles, Gallons, Hours, Load, Temperature, and others like Vehicle Type, Engine Displacement, Number of Cylinders.

Data Formats

We accept a variety of data formats. A brief list follows:

- Tab Delimited
- Comma Delimited
- Formatted Text
- Excel spreadsheet
- File maker Pro

All data sent to us will be checked for proper formatting.

We will correct for improper data formatting.

We also have the staff for manual data input, if required.

Data Caution

The most accurate, pristine data possible will benefit both you and us. Although we have created custom tools with built in error reduction, clean data is preferred. Efficiency Analysis Systems can not be held responsible for faulty data.

There is an old axiom among computer jockeys.

Garbage In = Garbage Out