

Graphics From Nanocom Test Run

You will need an SD card, up to 8GB capacity, in reality 2GB is cheap and will give plenty of storage.

Format the card using FAT32 file system on your PC.

Read page 14 – 16 in the Nanocom manual which is on their download site this tells you how to make a diagnostic file, don't forget to give the file a short name.

Make a test run in your vehicle, I would advise not to make this too long the data becomes too dense and the graphs are confusing, also older versions of excel are limited to the number of lines they will graph.

Be sure the Nanocom is NOT plugged into car, PC or power supply, remove the card and connect the card to your PC.

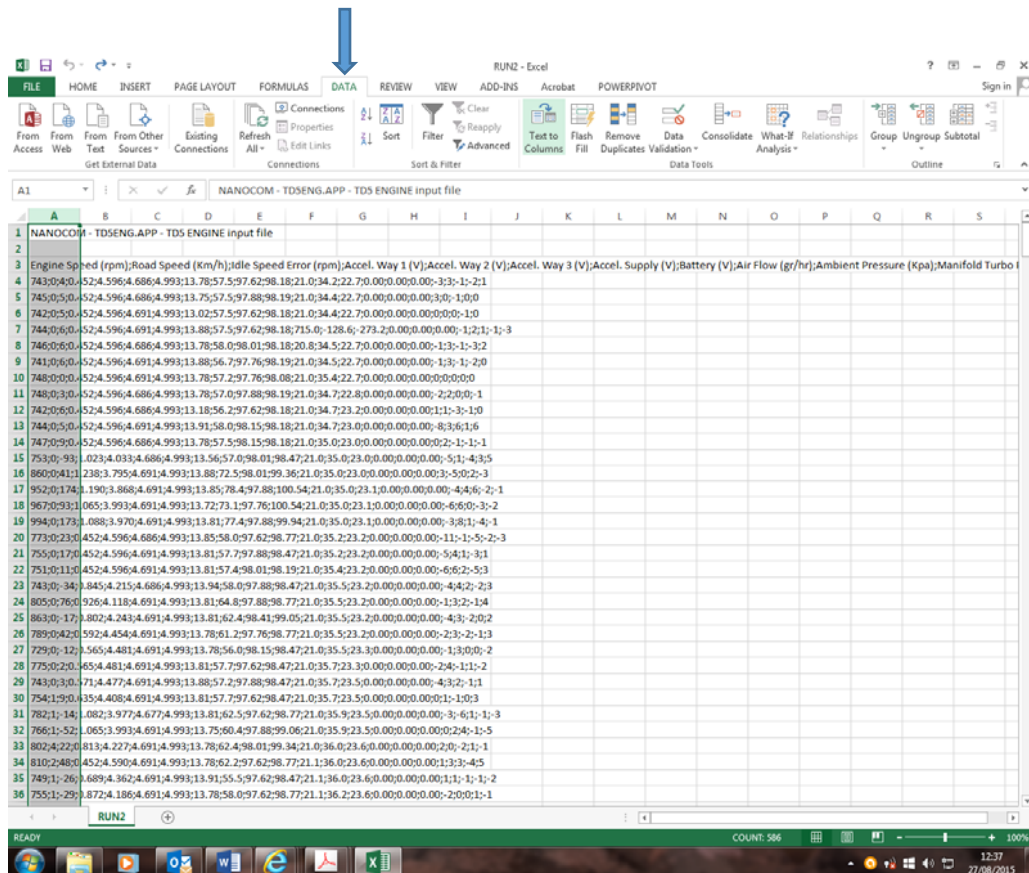
You will see your file name with a csv extension, double click and it will open in excel.

When it is open the data will be there but it is like a text file with one reading after another separated by semi colons,

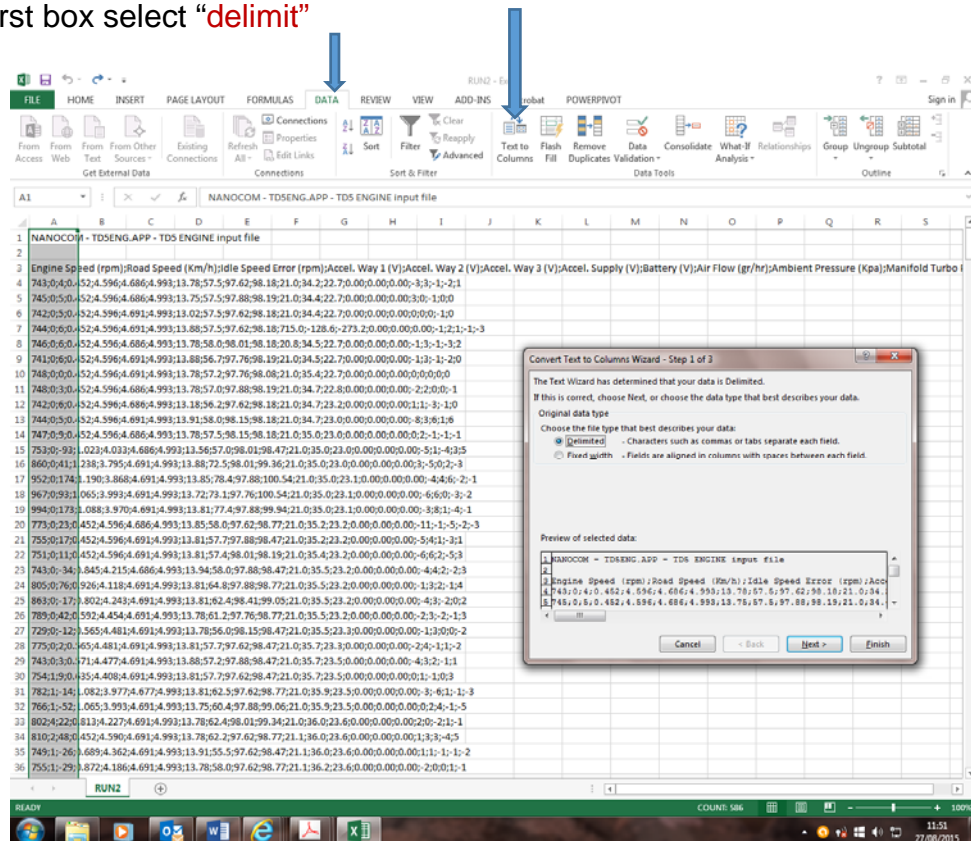
To use the data it needs to be sorted into the correct columns.

To do this you need to select the letter A at the top of the first column this will highlight the full column

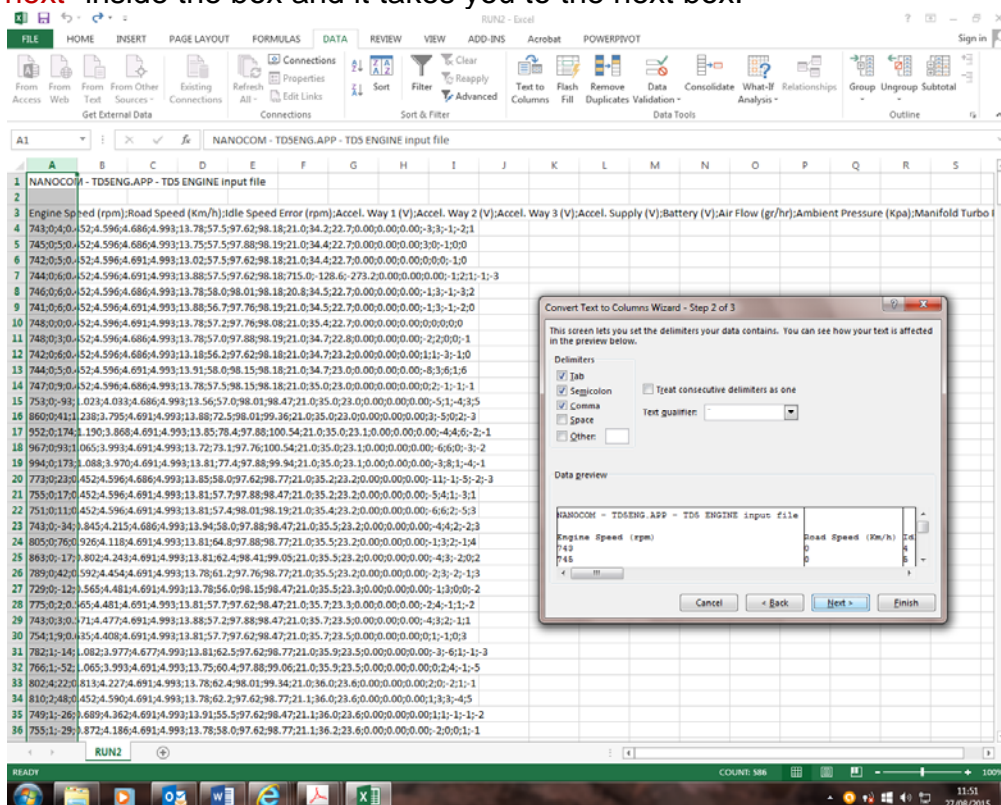
Then select **"Data"** folder on the top row.



In the Data folder just to the right of centre you can see “Text to Columns” click it and a dialog box will open (see below)
In the first box select “delimit”



Click “next” inside the box and it takes you to the next box.



Make sure the boxes “**Tab**” **Semicolon**” “**comma**” are ticked, click “**next**”

In the last box make sure “**general**” is ticked then click “**Finish**”

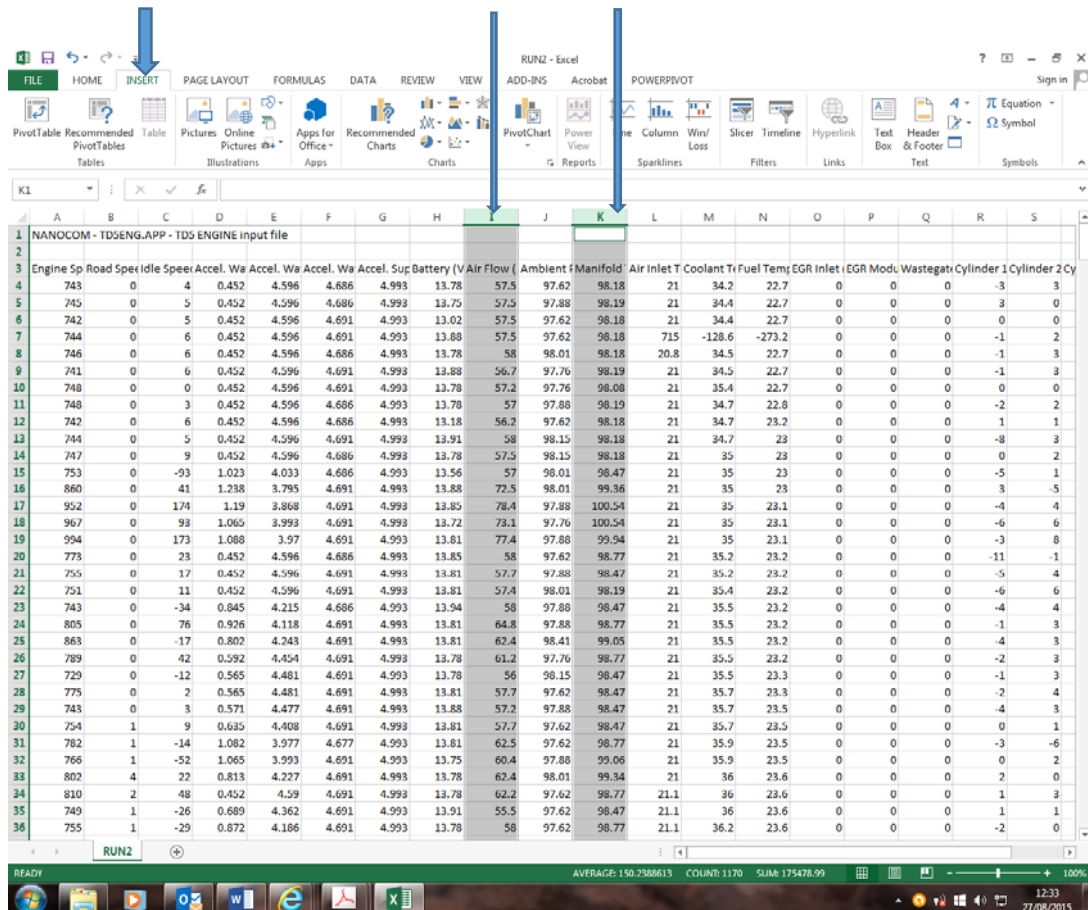
Now your data is transformed from a long list of numbers, and is separated into columns with headings (may need to drag the column if you want to read the full heading).

Now the data can be worked.

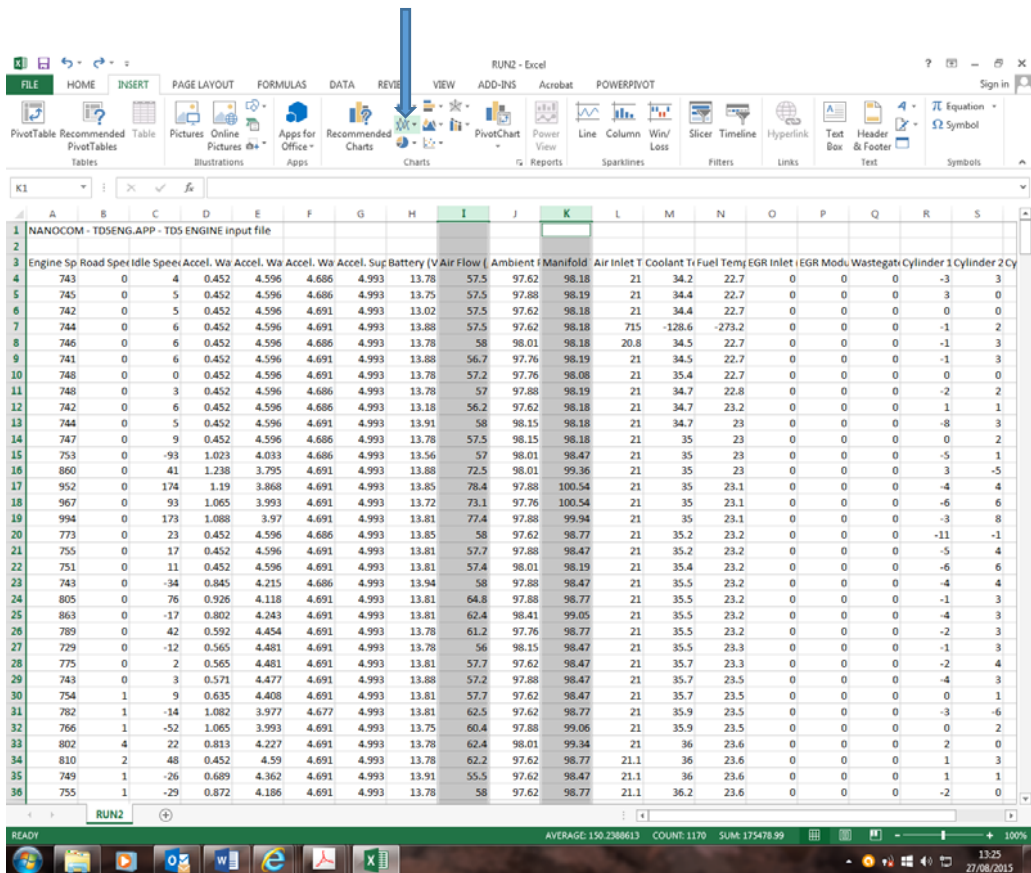
At this point you can save it as a excel sheet.

Press “**Ctrl**” on your keyboard and hold it down, click the letter in the top rows of the data you want to graph, this will highlight the data selected,

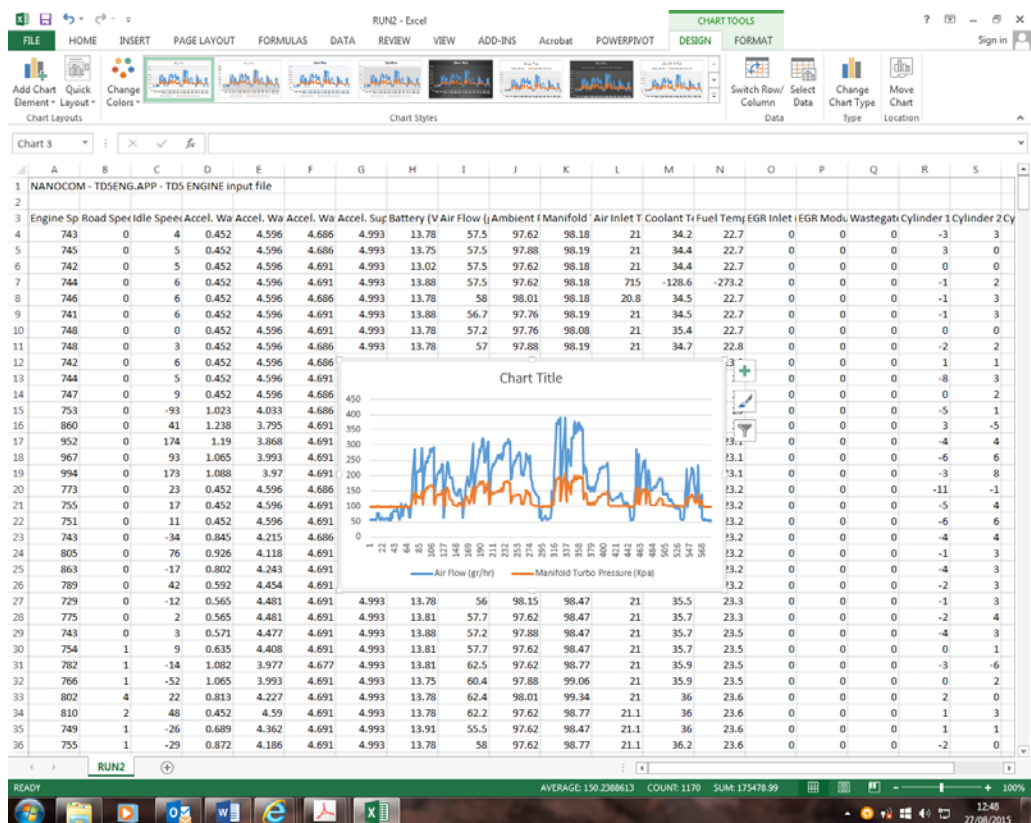
Here I have selected: **I. Air Flow**, and **K. Manifold** pressure more could be selected if necessary, but best to think about which data is relevant too many selections make a graph which is crowded and hard to understand.



Select “**Insert**” file on the top row and select “**line**” from the charts offered and click it, you can also look at “**recommended charts**” where the software give you what it feels are the best options.



Click “line” from the chart styles which are offered, and choose the exact style you need from the offers which fall down, then your graph appears
 You can stretch it and copy – past it into other applications



There are many more options available which you can play around with but this was just intended to provide a very basic guide to this useful tool, other versions of excel and open office may vary but the principals are similar and a few experimental click will soon give you some ideas, if you find it's a mess then close it down but do not save, when you re open the file you can start again. Also a good idea to make a copy of the original CSV file and save it in a different location, this will allow you to make a cock up without losing all of the data.