


Freeway Fuel Fix & Filter Training Worksheet

1. Fix & Filter Fuel Data for a Vehicle

If "Fuel – Filter" has been run from the FSchedule.exe application, only imported data on vehicles with problematic entries will remain unfiltered. These entries must be edited so that fuel data can be filtered (and then processed) for those vehicles. A list of such vehicles can be view in the fuelling exceptions report.

1. In Freeway, go to the Asset Detail window from the menu: Fleet/Assets/Detail.
2. Click on "Imported" under Fuel (bottom left).
3. Click "Unlock vehicle details for edit". 
4. Freeway uses white, yellow and red highlighting in this window to show the state of each fuel entry. Filtered fuel data is shown in white, unfiltered data in yellow, and red highlights the area of problematic data.

Here are some important rules the filter uses:

- If the latest entry fails the filtering process, the entire process fails on that vehicle.
- If more than three single fuel entries in a row do not fall within consumption parameters, the entire process fails on that vehicle.
- The total consumption is calculated using the oldest and latest Odo readings of the unfiltered data and the sum total of fuel entries, and then consumption is checked against the minimum and maximum values given in Setup/Fuel/Consumption.

Here are some examples of how to deal with problematic data:

Drag a column header here to group by that column							
Tank	Pump	Date	Odo	Qty	Rate	Cost	Cost Source
1	1	13/01/2006 19:02:00	193074	44.4	£0.69	£30.64	Imported Cost
1	1	12/01/2006 19:05:00	196840	31.8	£0.69	£21.94	Imported Cost
1	1	11/01/2006 18:39:00	196494	59.5	£0.69	£41.06	Imported Cost
1	1	04/01/2006 19:46:00	192992	80.2	£0.69	£55.34	Imported Cost
1	1	23/12/2005 19:44:00	194545	122.4	£0.00		
1	1	21/12/2005 19:48:00	194234	95.5	£0.00		
1	1	08/12/2005 21:05:00	193298	72.6	£0.00		

Example 1:

Odo 194545 - This entry, and all those below it, have already been filtered.

Odo 192992 - This entry might be edited because the latest filtered odometer reading is higher than the reading for the first unfiltered entry. Freeway brings this situation to your attention by highlighting the area in red. An odometer reading which falls between the values above and below might be entered, like 195000. However, Freeway can correct this error automatically.

Odo 196494 – This entry does not need to be changed.

Odo 196840 – This entry does not need to be changed.

Odo 193974 – This entry may have a problem similar to 192992 above. However, because it is the last entry of the batch, it would be advisable to leave this entry unfiltered until it can be checked against the next batch of data.

Drag a column header here to group by that column

Tank	Pump	Date	Odo	Qty	Rate	Cost	Cost Source
1	3	30/01/2006 17:39:00	231372	9.7	£0.69	£6.69	Imported Cost
1	2	28/01/2006 18:58:00	231372	50.7	£0.69	£34.98	Imported Cost
1	3	27/01/2006 20:40:00	231155	75.2	£0.69	£51.89	Imported Cost
1	3	26/01/2006 18:39:00	230936	56.1	£0.69	£38.71	Imported Cost
1	2	26/01/2006 00:13:00	230708	0.3	£0.70	£0.21	Imported Cost
1	2	25/01/2006 20:39:00	230706	55.6	£0.69	£38.36	Imported Cost
1	2	24/01/2006 18:51:00	230486	56.6	£0.69	£39.05	Imported Cost
1	2	23/01/2006 19:49:00	230302	54.5	£0.69	£37.61	Imported Cost
1	3	23/01/2006 02:15:00	230099	10.9	£0.69	£7.52	Imported Cost
1	3	22/01/2006 19:47:00	230069	37.7	£0.69	£26.01	Imported Cost
1	1	19/01/2006 17:39:00	230000	43.1	£0.69	£29.74	Imported Cost
1	1	18/01/2006 17:55:00	229990	10.7	£0.69	£7.38	Imported Cost
1	3	07/01/2006 16:05:00	229970	4.5	£0.69	£3.11	Imported Cost
1	2	05/01/2006 19:32:00	229957	50.8	£0.69	£35.05	Imported Cost
1	2	03/01/2006 20:34:00	229857	67.7	£0.69	£46.71	Imported Cost
1	3	02/01/2006 20:27:00	229757	4.9	£0.69	£3.38	Imported Cost
1	2	02/01/2006 17:42:00	229753	26.2	£0.69	£18.08	Imported Cost
1	3	01/01/2006 18:00:00	229637	14	£0.69	£9.66	Imported Cost
1	2	31/12/2005	229581	11.9	£0.00		
1	3	30/12/2005	229580	20	£0.00		
1	3	30/12/2005	229515	32.9	£0.00		
1	3	29/12/2005 17:40:00	229359	24.5	£0.00		

Example 2:

This data looks acceptable, but the filtering process fails in this case because the fault occurs on the latest reading. Although editing this reading is not recommended (as discussed in example 1), in this case it seems reasonable to introduce a small variance in the odo reading to allow filtering to occur. Double-click on the first entry (with the form in Edit mode) to bring up this window:

Examine the quantity of fuel and enter a reasonable odo replacement value. Click OK. In the main window, click Filter.

Drag a column header here to group by that column

Tank	Pump	Date	Odo	Qty	Rate	Cost	Cost Source
1	3	24/01/2006 16:02:00	880575	137	£0.69	£94.53	Imported Cost
1	1	16/01/2006 18:09:00	880557	76.8	£0.69	£52.99	Imported Cost
1	1	14/01/2006 19:59:00	880550	51.5	£0.69	£35.53	Imported Cost
1	2	14/01/2006 09:25:00	880400	74.4	£0.69	£51.34	Imported Cost
1	3	07/01/2006 10:29:00	880315	88.3	£0.69	£60.93	Imported Cost
1	2	03/01/2006 17:57:00	880162	114.4	£0.69	£78.94	Imported Cost
1	1	19/12/2005 21:00:00	883112	110.7	£0.00		
1	3	19/12/2005 09:25:00	883111	49.7	£0.00		
1	2	16/12/2005 10:39:00	883110	232.5	£0.00		
1	3	08/12/2005 22:18:00	879773	128.3	£0.00		
1	3	07/12/2005 10:11:00	879618	113	£0.00		
1	2	06/12/2005 10:04:00	879441	128.9	£0.00		
1	1	29/11/2005 18:31:00	879255	59.4	£0.00		

Example 3:

This data highlights the kind of problem that can result from editing entries prematurely. The readings 883110, 883111 and 883112 look like manually edited values which are now conflicting with readings from the new batch of entries.

In this unique case it is necessary to unfilter all the fuel data for this vehicle by clicking the Unfilter button. Note: All usage and consumption data for this vehicle will be deleted!

After unfiltering, the first problematic reading of 883110 can be manually edited (as discussed in example 2). Clicking Filter will automatically correct the remaining two entries.