

IMMA confirmation of the evaporative emissions, deterioration factor

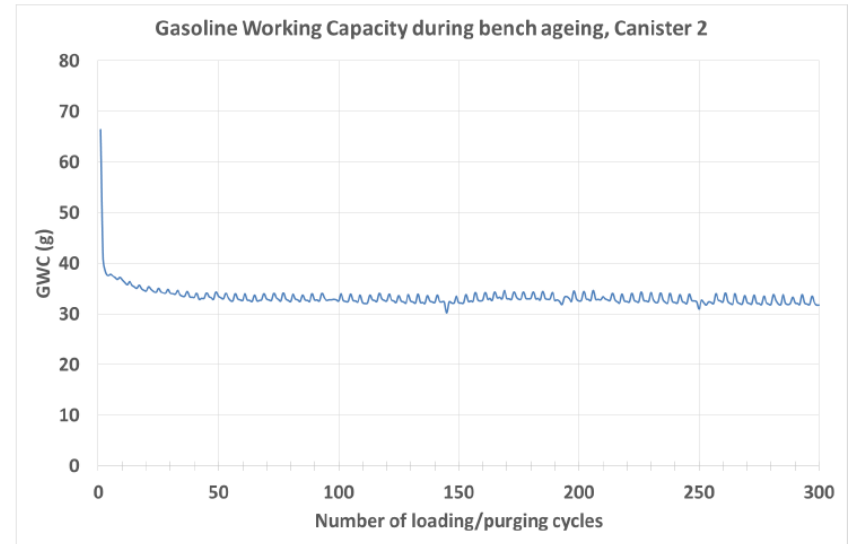
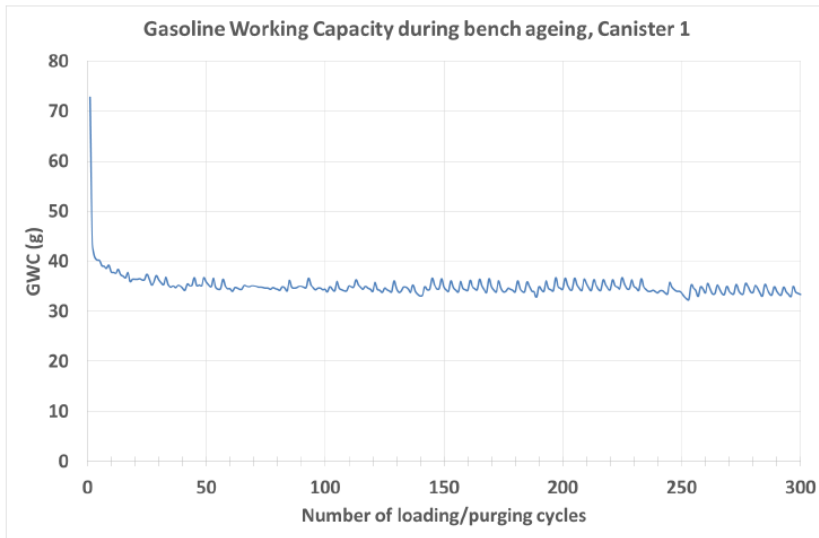
2015.1.11

Canister – bench ageing, 2 methods

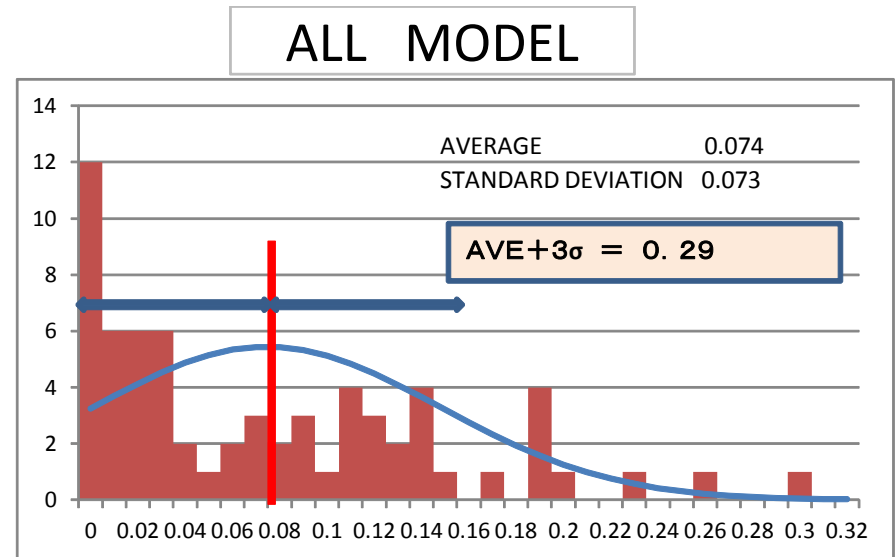
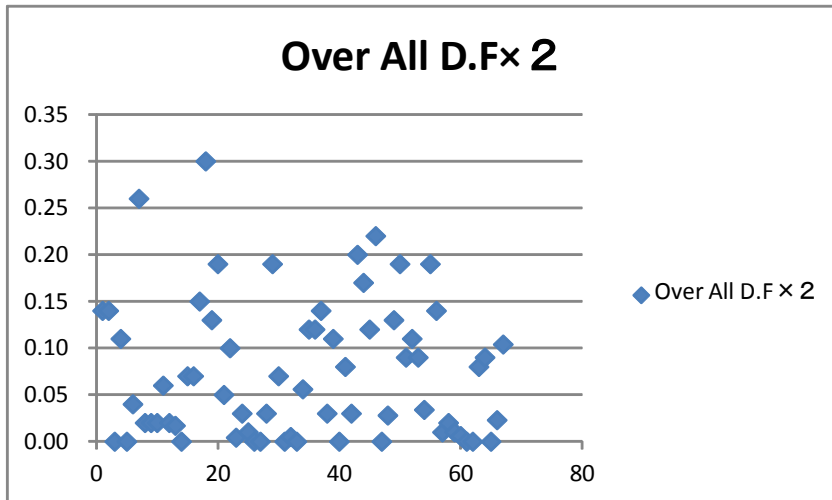
- EU method – 300 cycles (max) of loading-purging
 - As in EU Regulation 134/2014
 - As in proposal for GTR (para 2 of B.3.4)
- CARB procedure
 - MAC 81-02
 - As in proposal by JPN for amendment of the draft GTR

Test results EU method

- Results for two identical canisters
- Initial loss of capacity due to incomplete purging. (This is natural and should not be confused with deterioration in the canister's capacity.)
- Between cycle 10 and 300, there is a loss of capacity of 12.8 - 13.35%. Converted to a DF versus a limit of 2.0g, these equate to 0.258 and 0.267 g.



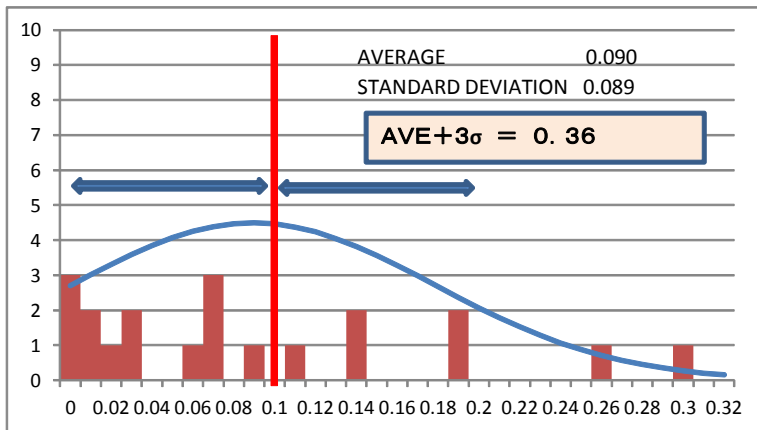
CARB method – Test result



Fixed DF 0.3 is statistically reasonable value.

Moreover we investigated 0.3 data and found some difference between Carburetor and FI models.

CARBURETOR MODEL



FI MODEL (Data update)

