

# Tolerance of fuel storage volume

[background]

the technical data to support the Japanese comment at 10<sup>th</sup> EPPR IWG on the tolerance of fuel storage

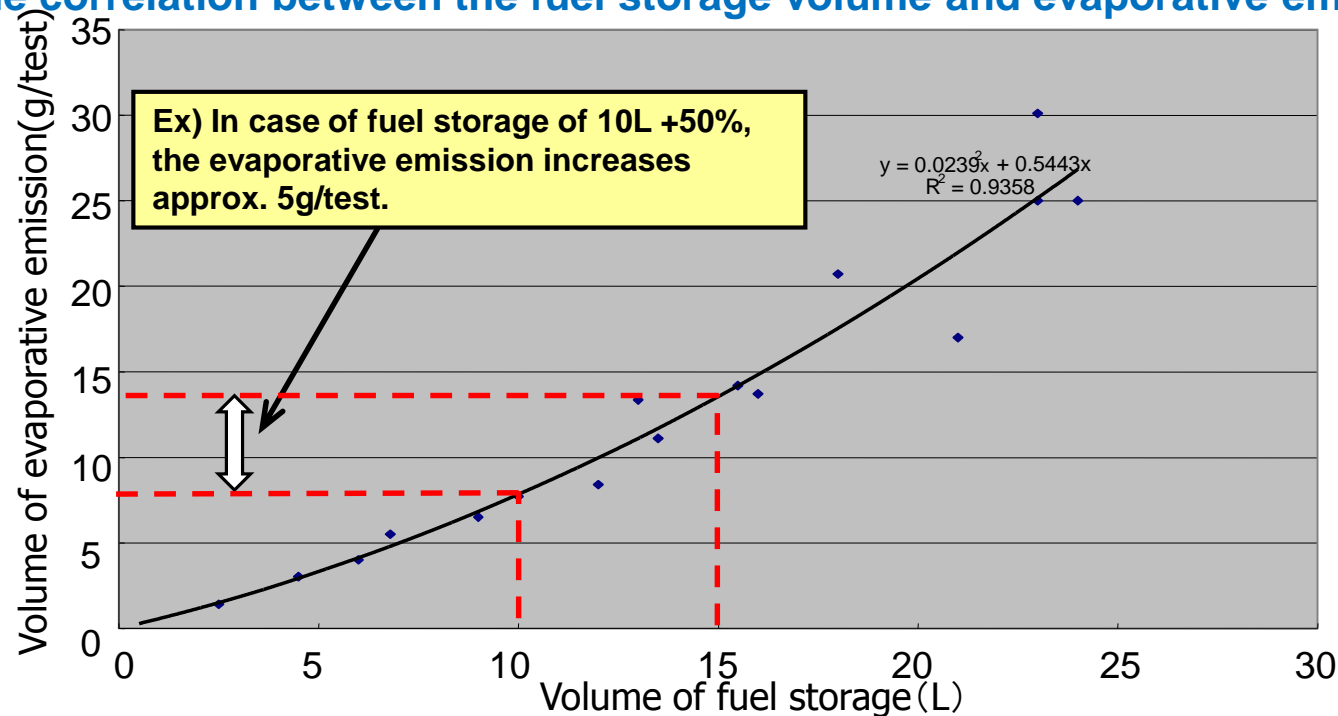
**Japan position: It is appropriate to allow only the smaller fuel storages as fuel storage family for the evaporative emission regulation.**

## JUSTIFICATION

- There is a large correlation between the volume of fuel storage and of evaporative emission. It is obvious that evaporative emission increases as the fuel storage becomes larger.
- Therefore, it is impossible to judge whether a larger fuel storage meets the requirements without another evaporative emission test.

- ◆ The graph below shows the correlation b/w the volume of fuel storage and of the evaporative emission when tested under CARB test method without canister. (n=16)

## The correlation between the fuel storage volume and evaporative emission



# Reference: the test conditions

California Code of Regulations (CCR) TITLE 13(Motor Vehicles)  
Standards and Test Procedures for Motor Vehicle Fuel Evaporative Emissions

Test procedure: SHED test  
Test vehicle: without canister

