

Comments for EPPR-10-14e of EVAP

Tianjin Motorcycle Technical
Center (TMTC)
2015.06

Annex B. 3. 1.

Fuel storage permeability test procedure

- In this annex text, using three names, as fuel storage, fuel tank, fuel storage tank.
- Proposal:
use the same name as fuel tank.

Annex B. 3. 1.

Fuel storage permeability test procedure

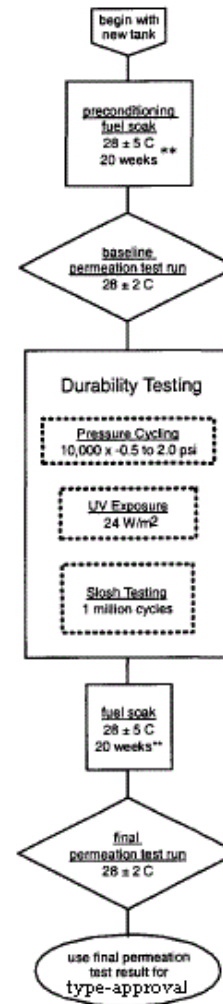
- 2.1.2 The tank is filled with the test fuel up to 50 % of its total rated capacity and allowed to rest in the ambient air at a temperature of $40.0^{\circ}\text{C} \pm 2^{\circ}\text{C}$ until there is a constant weight loss.
- Proposal
define the constant weight loss.

Annex B. 3. 2. Fuel storage and delivery system permeation test procedure

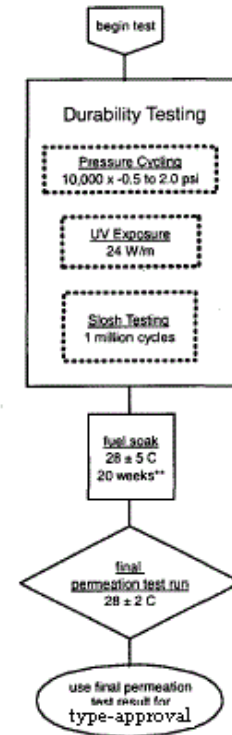
- Proposal

2.1 In Figure B. 3. 2-1:
Fuel storage tank
permeation full and short
tests, should explain the
DF*.

1: Full Test Procedure
with DF* Determination



2: Short Test without
DF Determination



** The length of "soak" during durability testing may be included in the fuel soak period provided that fuel remains in the tank. Soak periods can be shortened to 10 weeks if performed at 43 ± 5 C

Annex B. 3. 3.

SHED test procedure

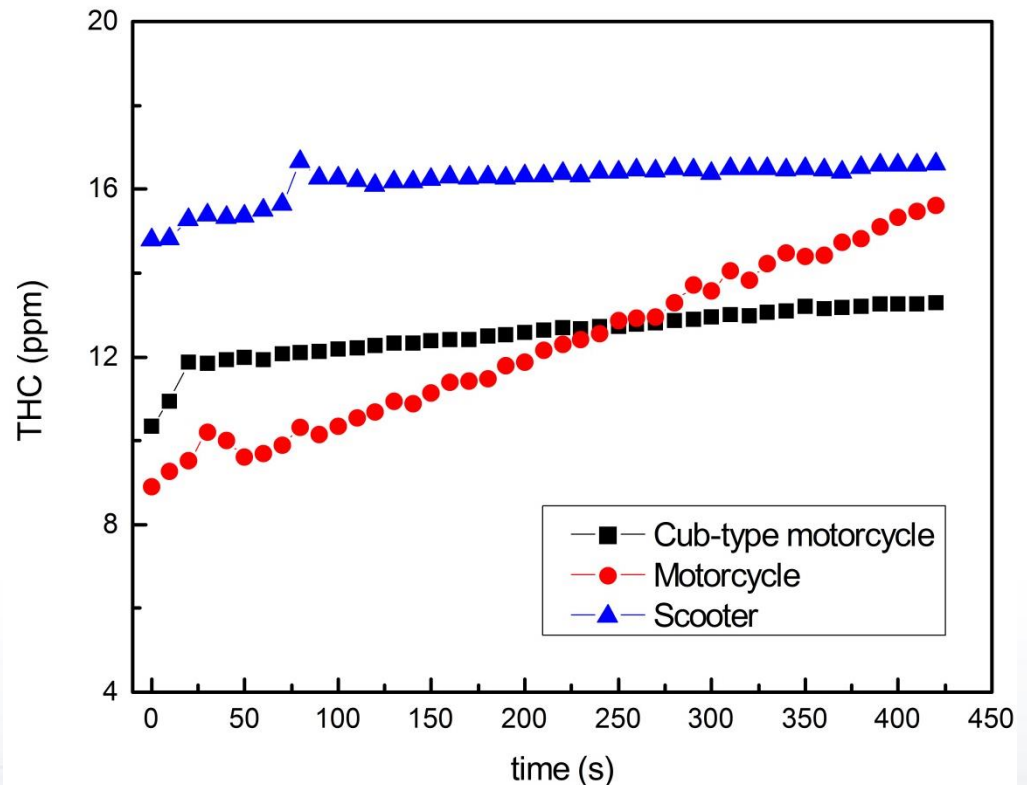
- 4.3.3. The level of evaporative emissions is determined by the measurement of hydrocarbon emissions over a 60-minute hot soak period. The hot soak test shall begin within seven minutes of the completion of the driving cycle specified in point 4.3.2.1.
- Proposal
 - 4.3.3. The level of evaporative emissions is determined by the measurement of hydrocarbon emissions over a 60-minute hot soak period. The hot soak test shall begin within seven minutes of the completion of the driving cycle specified in point 4.3.2.1 and within two minutes of engine shutdown.

Annex B. 3. 3. SHED test procedure

Reason:

The figure shows that the THC concentration of different motorcycles evaporate from 10s to 420s after engine stopping.

During this period, the evaporation of the motorcycle will affect the test results of Hot Sock test.



Annex B. 3. 6. : propulsion family definition with regard to test type IV requirements

- 2.1.5. the fuel storage volume is within a range of $\pm 50\%$ the nominal volume.
- Proposal
 - 2.1.5. the fuel storage volume is within a range of $+10\%/- 50\%$ the nominal volume.

Thank you for your attention!

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