Informal Group on Gaseous Fuelled Vehicles (GFV)

Chairman: André Rijnders
The Netherlands
Meetings of GFV

3\textsuperscript{rd} GFV meeting

- 30 September 2008 in Brussels, (Clepa offices)
  \hspace{2cm} \textbf{TF OBD HD}
  - 13 November 2008 phone conference
  - 3 and 4 December in Brussels (Commission)

4\textsuperscript{th} GFV meeting

- 13 January 2009 in Geneva
  \hspace{2cm} \textbf{Including a TF meeting of OBD HDV}
3rd GFV meeting

Tuesday 30 Sept. 2008 in Brussels, (Clepa offices)

Agenda items:

- Regulations 49 and 83 – LPG reference fuel (balance, olefins and HC ratio) from Poland
- Regulation 101 – fuel consumption for NG vehicles from Italy
- Regulation 115 - major and minor changes from Poland and AEGPL
- Regulation 115 - Methane (CH4) and Non-Methane Hydrocarbon (NMHC) from IANGV
- Regulation 49 - OBD for gas engine from OICA
3rd GFV meeting

Outcomes:

- Regulations 49 and 83 – LPG reference fuel → proposal from AEGPL to clarify the LPG reference fuel balance GFV-04-09
- Regulation 101 – gas fuels → exchange of views
- Regulation 115 – issues → proposals from AEGPL GFV-04-02, 03, 04 and 05
- Regulation 115 – Methane (CH4) and Non-Methane Hydrocarbon (NMHC) → proposal from the Netherlands GFV-04-06
- Regulation 115 – dual-fuel vehicles → proposal from the Netherlands GFV-04-06
- Regulation 49 - Creation of a Task Force on OBD for gas engine → one conference call on 13/11/08 and 2 half days meetings on 3 & 4 December 2008
4th GFV meeting

January 13th 2009 in Geneva, 57th GRPE Session

**Agenda items:**

- Task Force on OBD for gas engine in Regulation 49
- Non-Methane Hydrocarbon Standard (NMHC) to R115
- Regulations 49 and 83 – LPG reference fuel
- Changes to Regulation 115
- Regulation 101 – natural gas consumption calculation
- Clarification of the scope of R115 not to allow TA of dual-fuel vehicles
4th GFV meeting

Outcome:

- Task Force on On-Board Diagnostics for Heavy Duty Gas Engines:
  
  Presentation from the secretariat of the TF, JF Renaudin (Volvo/OICA)
  
  → Discussion of the informal paper GRPE-57-15
  
  → Possibility to extend the scope of work of this task force to deal with other items not directly related to “gas”
4th GFV meeting

Outcome:

- Non-Methane Hydrocarbon (NMHC) Regulation: Draft Amendment to Regulation 115
  Presentation given by conference call by J. Seisler, IANGV, “RATIONALE FOR THE DEVELOPMENT OF A NON-METHANE HYDROCARBON REGULATION FOR NATURAL GAS VEHICLES”
  → Discussion of a working paper from the Netherlands
  → Additional vehicle emission data requested from the European Commission
  → The GFV group agrees to improve the document taking also consideration of the latest amendments proposed to R83 by the EC (Euro 5-6)
4th GFV meeting

**Outcome:**

- Regulations 49 and 83 – LPG reference fuel
  - LPG reference fuel balance
    - The working paper GFV-04-09 was agreed
  - Different Composition of LPG Reference Fuels R83 and R49
    - Solution still pending
  - HC Ratio discrepancy in R49 and R83
    - Solution still pending (necessity to keep R83-49 fuel composition in line with Euro 5-6)
4th GFV meeting

Outcome:

▪ Changes to R115

  Presentation on the main amendments (related to the emission test procedure, chassis dynamometer setting and the maximum time the system operates on petrol (switch over time) during the Type I test…) from AEGPL

  → Not enough time to discuss the amendments, discussion to take place during the next meeting

▪ Regulation 101 – natural gas consumption calculation

  → proposal expected at the next GFV meeting

▪ Clarification of the scope of R115 not to allow TA of dual-fuel vehicles

  → The working paper was agreed
The way forward

- The GFV group has the objective to table a formal consolidated amendment for R115 the GRPE June 2009 session considering and integrating the main elements of the forthcoming 06 series of amendments to R83 (related to Euro 5-6)

- NHMC issue to be further considered

- Task Force on OBD HDV?
The way forward

- Next GFV meetings (TBC):
  - In Brussels, March 4th & 5th 2009 (European Commission premises)
  - The GFV group asks for a half day meeting in conjunction of the 58th GRPE session in June 2009

*All the information available on the WP29/GRPE website, under « informal group on GFV »*