

Informal document No. GRPE-57-33
(57th GRPE, 13-16 January 2009,
agenda item 6(b))

Informal Group on Gaseous Fuelled Vehicles (GFV)

Chairman: André Rijnders
The Netherlands

Meetings of GFV

3rd GFV meeting

- 30 September 2008 in Brussels, (Clepa offices)

TF OBD HD

- 13 November 2008 phone conference
- 3 and 4 December in Brussels(Commission)

4th GFV meeting

- 13 January 2009 in Geneva
- 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 »*