|  |  |  |
| --- | --- | --- |
|  | United Nations | ECE/TRANS/WP.29/2016/44 |
| _unlogo | **Economic and Social Council** | Distr.: GeneralOriginal: English |

**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**169th session**

Geneva, 21-24 June 2016

Item 4.7.5 of the provisional agenda

**1958 Agreement – Consideration of draft amendments**

**to existing Regulations submitted by GRPE**

 Proposal for Supplement 7 to the original version of Regulation No. 115 (LPG and CNG retrofit systems)

 Submitted by the Working Party on Pollution and Energy[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its seventy-second session (ECE/TRANS/WP.29/GRPE/72, para. 50). It is based on ECE/TRANS/WP.29/GRPE/2016/5. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their June 2016 sessions.

 Supplement 7 to the original version of Regulation No. 115 (LPG and CNG retrofit systems)

*Annex 1A-Addendum,* amend to read:

"**Annex 1A – Addendum**

 Addendum to the communication concerning a type of LPG retrofit equipment pursuant to Regulation No. 115

(Approval No. ................................. Extension No. .................................)

1. Vehicles on which the retrofit equipment has been tested:

|  |  |  |  |
| --- | --- | --- | --- |
| *Vehicle No.* | *1* | *2* | *n* |
| Make: |  |  |  |
| Type: |  |  |  |
| Category: |  |  |  |
| Engine type: |  |  |  |
| Emission level: |  |  |  |
| Power: |  |  |  |
| Pollution control system type: |  |  |  |

1.1. Test results:

|  |  |  |
| --- | --- | --- |
|  | *Petrol* | *LPG* |
| *Vehicle**No.* | *Power**(kW)* | *CO**(g/km)* | *HC**(g/km)* | *NOx**(g/km)* | *CO21**(g/km)* | *Power**(kW)* | *CO**(g/km)* | *HC**(g/km)* | *NOx**(g/km)* | *CO21**(g/km)* |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| n |  |  |  |  |  |  |  |  |  |  |
| 1 Applicable to vehicles of category M1 and N1 only. |

2. Ratios:

2.1. Ratio CO2: CO2 LPG/CO2 petrol:

2.2. Ratio Power: LPG/Power petrol:

3. List of vehicles type(s) for which the retrofit equipment type is qualified:

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Vehicle type* | *Engine type* | *Power (kW)* |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| n |  |  |  |

"

*Annex 1B-Addendum,* amend to read:

"**Annex 1B – Addendum**

 Addendum to the communication concerning a type of CNG retrofit equipment pursuant to Regulation No. 115

(Approval No. ................................. Extension No. .................................)

1. Vehicles on which the retrofit equipment has been tested:

|  |  |  |  |
| --- | --- | --- | --- |
| *Vehicle No.* | *1* | *2* | *n* |
| Make: |  |  |  |
| Type: |  |  |  |
| Category: |  |  |  |
| Engine type: |  |  |  |
| Emission level: |  |  |  |
| Power: |  |  |  |
| Pollution control system type: |  |  |  |

1.1. Test results:

|  |  |  |
| --- | --- | --- |
|  | *Petrol* | *CNG* |
| *Vehicle**No.* | *Power**(kW)* | *CO**(g/km)* | *HC**(g/km)* | *NOx**(g/km)* | *CO21**(g/km)* | *Power**(kW)* | *CO**(g/km)* | *HC**(g/km)* | *NOx**(g/km)* | *CO21* *(g/km)* |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| n |  |  |  |  |  |  |  |  |  |  |
| 1 Applicable to vehicles of category M1 and N1 only. |

2. Ratios:

2.1. Ratio CO2: CO2 CNG/CO2 petrol:

2.2. Ratio Power: CNG/Power petrol:

3. List of vehicles type(s) for which the retrofit equipment type is qualified:

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Vehicle type* | *Engine type* | *Power (kW)* |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| n |  |  |  |

"

1. \* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)