

EC CERTIFICATE OF CONFORMITY  
COMPLETE VEHICLES N1

Pierre JACQUEMOT

RENAULT  
MA  
FM  
MASTER  
00M06U3113J3T0

IP-62A3M0DPF6A\_002-VF1-0  
AT-62A-2300D\_0-001-VF1-0  
9-VF1-025  
PM-62AM2AATPS\_000-VF1-0  
PR-3025W9T\_6UD\_000-VF1-0

RENAULT S.A.S.  
122-122 bis avenue du General Leclerc  
92100 Boulogne-Billancourt  
France

Identification sticker affixed to the right hand  
front door pillar below the striker plate

Cold stamping on righthand cab step

VF1MA000271721843  
01/09/2023

02\*2007/46\*0016\*55  
17/07/2023

Right  
Metric

25 SEP 2023

13 425984

19/09/2023

Approval Department Manager

Guyancourt  
P. JACQUEMOT

2. Electric range of pure electric vehicles  
Electric range city  
3. Vehicle fitted with eco-innovation(s)  
3.1. General code of the eco-innovation(s)  
3.2. Total CO2 emissions savings due to the eco-innovation(s)  
3.2.1. WLTP savings (if applicable)  
3.2.2. WLTP savings (if applicable)  
Petrol/Diesel oil: 0.79 g/km  
4. OVC hybrid electric vehicles

charge sustaining  
CO2 emissions  
Fuel consumption

WLP value  
Low  
Medium  
High  
Extra-high  
City  
Combined

charge depleting  
CO2 emissions  
Fuel consumption

Weighted, combined  
Electric range of OVC hybrid electric vehicles  
Equivalent All Electric range (EAER) city  
Equivalent All Electric range (EAER) city  
All Electric range (AER)  
All Electric range city (AER city)

Miscellaneous  
50. Type-approved according to the design requirements for transporting dangerous goods of the Economic Commission for Europe of the United Nations  
51. For special purpose vehicles designation in accordance with point 5 of Part A of Annex I to Regulation (EU) 2018/858 of the European Parliament and of the Council  
52. Remarks (-)

List of tyres: technical parameters  
Vehicle equipped with 24 GHz short-range radar equipment  
54. Vehicle fitted with

55. Vehicle certified in accordance with UN Regulation No 155  
56. Vehicle certified in accordance with UN Regulation No 156

The undersigned,  
hereby certifies that the vehicle

0.1. Make  
0.2. Type  
0.2. Variant

Version  
0.2.1. Commercial name(s)  
0.2.2.1. Allowed Parameter Values for multistage type approval to use the base vehicle emission values (insert range if applicable)  
Final vehicle actual mass  
Final vehicle technically permissible maximum laden mass (in kg)  
Frontal area for final vehicle (in cm2)  
Rolling resistance (kg/t)  
Cross-sectional area of air entrance of the front grille (in cm2)  
0.2.3. Identifiers (if applicable)  
0.2.3.1. Interpolation family identifier  
0.2.3.2. ATCI family identifier  
0.2.3.3. PEMS family identifier  
0.2.3.4. Roadload family identifier  
0.2.3.5. Roadload Matrix family identifier (if applicable)  
0.2.3.6. Periodic regeneration family identifier  
0.2.3.7. Evaporative test family identifier  
0.4. Vehicle category

0.5. Company name and address of manufacturer

0.6. Location and method of attachment of the statutory plate

Location of the vehicle identification

0.9. Name and address of the manufacturer's representative (if any)  
0.10. Vehicle identification number  
0.11. Date of manufacture of the vehicle conforms in all respects to the type described in

Type-approval number  
Granted on  
can be permanently registered

in member states having hand traffic and using units for the speedometer and the odometer for Ireland, maybe metric units

KFZ-Brief Nr. 2025000000  
amt. Kennzeichen 28. Okt. 2023  
zugeteilt am  
Landratsamt Regensburg



| General construction characteristics                                                                                                                                            |                                              |                |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------|---|
| 1. Number of axles                                                                                                                                                              | 2                                            | and wheels     | 4 |
| 1.1. Number and position of axles with twin wheels                                                                                                                              |                                              |                |   |
| 3. Powered axles (number, position, interconnection)                                                                                                                            | 1 in the front                               |                |   |
| 3.1. The vehicle is                                                                                                                                                             | non-automated                                |                |   |
| Main dimensions                                                                                                                                                                 |                                              |                |   |
| 4. Wheelbase                                                                                                                                                                    | 4332 mm                                      |                |   |
| 4.1. Axle spacing                                                                                                                                                               |                                              |                |   |
| 1-2                                                                                                                                                                             |                                              |                |   |
| 5. Length                                                                                                                                                                       | 2-3                                          |                |   |
| 6. Width                                                                                                                                                                        | 6198 mm                                      |                |   |
| 7. Height                                                                                                                                                                       | 2070 mm                                      |                |   |
| 8. Fifth wheel lead for semi-trailer towing                                                                                                                                     | 2475 mm (*)                                  |                |   |
| 9. Vehicle (maximum and minimum) distance between the front end of the vehicle and the centre of the coupling device                                                            | 6323 mm                                      |                |   |
| 11. Length of the loading area                                                                                                                                                  | 3733 mm                                      |                |   |
| Masses                                                                                                                                                                          |                                              |                |   |
| 13.1. Mass in running order                                                                                                                                                     | 2147 kg                                      |                |   |
| 13.2. Distribution of this mass amongst the axles                                                                                                                               |                                              |                |   |
| 13.2.1. Actual mass of the vehicle                                                                                                                                              | 2                                            |                |   |
| 13.2.2. Technically permissible maximum masses                                                                                                                                  | 02256,0 kg                                   |                |   |
| 16.1. Technically permissible maximum laden mass                                                                                                                                | 3500 kg                                      |                |   |
| 16.2. Technically permissible mass on each axle                                                                                                                                 |                                              |                |   |
| 16.2.1. Technically permissible maximum mass of                                                                                                                                 | 1850 kg                                      |                |   |
| 16.4. Technically permissible maximum mass of the combination                                                                                                                   | 6000 kg                                      |                |   |
| 18. Technically permissible maximum towable mass in case of                                                                                                                     |                                              |                |   |
| 18.1. Drawbar trailer                                                                                                                                                           |                                              |                |   |
| 18.2. Semi-trailer                                                                                                                                                              | 2500 kg                                      |                |   |
| 18.3. Centre-axle trailer                                                                                                                                                       | 750 kg                                       |                |   |
| 18.4. Unbraked trailer                                                                                                                                                          | 100 kg                                       |                |   |
| 19. Technically permissible maximum static mass at the coupling point                                                                                                           |                                              |                |   |
| Power plant                                                                                                                                                                     |                                              |                |   |
| 20. Manufacturer of the engine                                                                                                                                                  | RENAULT                                      |                |   |
| 21. Engine code as marked on the engine                                                                                                                                         | M9T G7                                       |                |   |
| 22. Working principle                                                                                                                                                           | Compression                                  |                |   |
| 23. Pure electric                                                                                                                                                               | No                                           |                |   |
| 23.1. Class of hybrid (electric) vehicle                                                                                                                                        | 4 in line                                    |                |   |
| 24. Number and arrangement of cylinders                                                                                                                                         | 2299 cm3                                     |                |   |
| 25. Engine capacity                                                                                                                                                             | Diesel oil                                   |                |   |
| 26.1. Mono fuel/Bi fuel/Flex fuel/Dual-fuel                                                                                                                                     | Mono fuel                                    |                |   |
| 26.2. Type (dual fuel only)                                                                                                                                                     |                                              |                |   |
| 27. Maximum power                                                                                                                                                               |                                              |                |   |
| 27.1. Maximum net power (internal combustion engine)                                                                                                                            | 100 kW                                       | at 3500 tr/min |   |
| 27.3. Maximum net power (LPG/Ethanol)                                                                                                                                           |                                              |                |   |
| 27.4. Maximum net power (electric motor)                                                                                                                                        |                                              |                |   |
| 28. Gearbox (type)                                                                                                                                                              | Manual                                       |                |   |
| 28.1. Gearbox ratios (for vehicles with manual shift transmissions)                                                                                                             |                                              |                |   |
| 1                                                                                                                                                                               | 0.2391                                       |                |   |
| 2                                                                                                                                                                               | 0.475                                        |                |   |
| 3                                                                                                                                                                               | 0.775                                        |                |   |
| 4                                                                                                                                                                               | 1.1081                                       |                |   |
| 5                                                                                                                                                                               | 1.4138                                       |                |   |
| 28.1.2. Final drive ratio (if applicable)                                                                                                                                       |                                              |                |   |
| 28.1.2.1. Final drive ratios (to complete 1st and 2nd gear applicable)                                                                                                          |                                              |                |   |
| 1                                                                                                                                                                               | 0.0571                                       |                |   |
| 2                                                                                                                                                                               | 0.1134                                       |                |   |
| 3                                                                                                                                                                               | 0.1851                                       |                |   |
| 4                                                                                                                                                                               | 0.2646                                       |                |   |
| 5                                                                                                                                                                               | 0.3376                                       |                |   |
| Maximum speed                                                                                                                                                                   |                                              |                |   |
| 29. Maximum speed                                                                                                                                                               | 150 km/h                                     |                |   |
| 30. Axle(s) track                                                                                                                                                               |                                              |                |   |
| 1                                                                                                                                                                               | 1750 mm                                      |                |   |
| 35. Fitted tyre/wheel combination/ energy efficient tyre category used for CO2 determination (if a and tyre category used for rolling resistance coefficients (RRC) applicable) | 225/65 R16C (112/110) T 6.5 J 16 - 66 (C2) A |                |   |
| 2                                                                                                                                                                               | 225/65 R16C (112/110) T 6.5 J 16 - 66 (C2) A |                |   |
| Brakes                                                                                                                                                                          |                                              |                |   |
| 36. Trailer brake connections                                                                                                                                                   | mechanical                                   |                |   |
| 37. Pressure in feed line for trailer braking system                                                                                                                            |                                              |                |   |

  

|                                                                                                                                                           |                                                                            |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--|--|
| Bodywork                                                                                                                                                  |                                                                            |  |  |
| 38. Code for bodywork                                                                                                                                     | BB                                                                         |  |  |
| 40. Colour of vehicle                                                                                                                                     | White                                                                      |  |  |
| 41. Number and configuration of doors                                                                                                                     | 2 hinged cab doors, 0 or 1 or 2 sliding side doors and 2 rear hinged doors |  |  |
| 42. Number of seating positions (including the driver)                                                                                                    | 103 - 3 front                                                              |  |  |
| 44. Coupling device (if fitted)                                                                                                                           |                                                                            |  |  |
| 44.1. Approval number of approval mark of coupling device (if fitted)                                                                                     | E4*55R*010111 (*)                                                          |  |  |
| 45.1. Characteristic values                                                                                                                               |                                                                            |  |  |
| 45.1.1. Sound level                                                                                                                                       | D=1431 dan / S=100 kg                                                      |  |  |
| 46. Stationary                                                                                                                                            |                                                                            |  |  |
| 47. Exhaust emission level EURO                                                                                                                           | at engine speed                                                            |  |  |
| 47.1. Parameters for emission testing of wind                                                                                                             | 0.0 dB(A)                                                                  |  |  |
| 47.1.1. Test mass, kg                                                                                                                                     | 6AR                                                                        |  |  |
| 47.1.2. Frontal area, m2                                                                                                                                  | 2560                                                                       |  |  |
| 47.1.2.1. Projected frontal area of air entrance of the front grille (if applicable), cm2                                                                 | 4.561                                                                      |  |  |
| 47.1.3. Road load coefficients                                                                                                                            | 1490                                                                       |  |  |
| 47.1.3.1. N                                                                                                                                               | 210.3                                                                      |  |  |
| 47.1.3.2. N/(km/h)2                                                                                                                                       | 0                                                                          |  |  |
| 47.2. Driving cycle                                                                                                                                       | 0.08992                                                                    |  |  |
| 47.2.1. Driving cycle class                                                                                                                               |                                                                            |  |  |
| 47.2.2. Downscaling factor (fisc)                                                                                                                         |                                                                            |  |  |
| 47.2.3. Capped speed                                                                                                                                      |                                                                            |  |  |
| 48. Exhaust emissions                                                                                                                                     |                                                                            |  |  |
| 48.1. Number of the base regulatory act and latest amending regulatory act applicable 1.2. test procedure: Type I (WLTP highest values) or WHSC (Euro VI) | 715/2007*2018/1832AR                                                       |  |  |
| Petrol/Diesel oil                                                                                                                                         |                                                                            |  |  |
| CO                                                                                                                                                        | 224.7 mg/km                                                                |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       | 56.4 mg/km                                                                 |  |  |
| NOx                                                                                                                                                       | 2.44 mg/km                                                                 |  |  |
| Particulates (mass)                                                                                                                                       | 0.29 E11/km                                                                |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |
| CO2                                                                                                                                                       |                                                                            |  |  |
| THC + NOx                                                                                                                                                 |                                                                            |  |  |
| THC                                                                                                                                                       |                                                                            |  |  |
| NOx                                                                                                                                                       |                                                                            |  |  |
| Particulates (mass)                                                                                                                                       |                                                                            |  |  |
| Particulates (number)                                                                                                                                     |                                                                            |  |  |
| LPG/NG/Ethanol                                                                                                                                            |                                                                            |  |  |
| CO                                                                                                                                                        |                                                                            |  |  |