



## CNG FUEL SYSTEM INSPECTION FORM

Bus:

Date:

Vehicle Make	Model	Year	Mileage	VIN#

Cylinder No.	1	2	3	4	5	6
Manufacturer						
Serial #						
Location						
Expiration Date						

P=Pass F=Fail N/A=Non-Applicable

NGV CNG Fuel System Inspection	1	2	3	4	5	6
1. Check vehicle service history and interview the owner/operator						
2. Manufacturer's label is present on fuel door or in fuel receptacle area and is complete						
3. CNG fill receptacle secure with O-ring present and in working order						
4. Fuel receptacle label(s) present and legible						
5. Leak check fill receptacle and fuel system connection						
6. Secondary check valve installed and secure						
7. Leak check secondary check valve and fuel system connections						
8. Defueling valve installed and secure (2013 model year and newer)						
9. Leak check defueling valve and fuel system connections						
10. Defuel receptacle installed and secure (2013 model year and newer)						
11. Leak check defuel receptacle and fuel system connection						
12. Defueling label(s) present and legible						
13. Cylinder and mounting brackets are clean						
14. Cylinder manufacturer's label is present on cylinder and legible						
15. Cylinder and fuel system installation is compliant with NFPA-52						
16. Minimum ____ inch clearance around cylinder and 3/8 inches from shields						
17. Rubber mounting pads in place and in good condition						
18. Cylinder firmly restrained by the mounting brackets (no rocking, looseness, or cracks)						
19. Cylinder mounting brackets in good condition (not bent, no deformation)						
20. Check bracket-to-vehicle mounting for signs of stress						
21. Roof-mounted cylinders: height clearance label present and visible to driver						
22. Cylinder mounting brackets and straps corrosion free						
23. No signs of cylinder exposure to fire or extreme heat						
24. No signs of cylinder involvement in an accident						
25. Cylinder is free of impact damage						
26. Type 1 & 2 steel cylinder(s) free of rust, corrosion or etching of outer steel surface						
27. External paint, composite layer or metal surface is free of bubbles or bulges						
28. Cuts, gouges and abrasions on the cylinder are less than 0.010 inch in depth or so noted on this form						
29. Cylinder service pressure markings not less than vehicle service pressure						
30. Cylinder has not exceeded the marked service life						
31. Cylinder valve, PRD and all connections are properly externally vented (cylinders enclosed in vehicles passenger or luggage compartment only)						
32. Valves, lines and/or Pressure Relief Device (PRD) assemblies are damage free						
33. PRD(s) in good condition (with no visible extrusion of eutectic material)						
34. PRD(s) have a connected vent line						
35. PRD vent line(s) location(s) is labeled (may be more than one location)						
36. PRD vent lines are properly attached and secured						
37. Each PRD vent line has a cap on the end						



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38. All fuel lines (tubing, hoses) are properly attached and secured						
39. Cylinder valve, PRD and fuel lines are checked for leaks						
40. Fuel system isolation valve (quarter turn valve) installed and secure						
41. Fuel system isolation valve (quarter turn valve) and fuel system connections have been checked for leaks						
42. Fuel system isolation valve (quarter turn valve) label is present and legible						
43. High-pressure coalescing filter is installed and secure						
44. High-pressure coalescing filter and connections have been checked for leaks						
45. Fuel shutoff solenoid is installed and secure						
46. Fuel shutoff solenoid and connections have been checked for leaks						
47. High-pressure fuel gauge is installed, secure and functional						
48. High-pressure fuel gauge and connections have been checked for leaks						
49. Pressure regulator is installed and secure						
50. Pressure regulator connections have been checked for leaks						
51. Coolant lines to the regulator are connected						
52. Coolant lines to the regulator are not leaking coolant						
53. Regulator PRRD or PRD installed and secure						
54. PRRD or PRD connection to regulator (on other than regulator with internal PRRD) has been checked for leaks						
55. PRRD or PRD vent line(s) properly attached and secured						
56. PRRD or PRD vent line has cap on the end						
57. Appropriately sized CNG diamond sign is affixed in proper location						
58. All observed damage has been classified, measured, and documented						
59. Application of new inspection sticker						

Were photos taken during inspection? If yes, where are they stored? \_\_\_\_\_

Summary of examination and description of damage and/or adverse findings:

Repairs or replaced brackets or other components as follows:

Cylinder Inspection Results  
(check one for each cylinder):

- Return cylinder(s) to service.
- Repair cylinder(s) as follows: \_\_\_\_\_
- Send cylinders(s) to Mfr. for further inspection as follows: \_\_\_\_\_
- REMOVE CYLINDER(S) FROM SERVICE, DEFUEL AND DESTROY

Certificate No. \_\_\_\_\_

Inspection Signature: \_\_\_\_\_