5 The inspection requirement of fuel system for LPG vehicle

5.1 The vehicle component use in the liquefied petroleum gas（LPG）vehicle of fuel system that shall pass through commodity inspection by institution who has ability to inspection.

5.2 The liquefied petroleum gas（LPG）of new type of vehicle or altered type of vehicle of fuel system shall pass through the examination by professionally vehicle technology and research institution, the examine items are as below:

5.2.1 Paper examination parts:

5.2.1.1 specification table.

5.2.1.2 Liquefied petroleum gas（LPG）system main structure and list of device（name, type, brand and specification）.

5.2.1.3 Three views of entire vehicle and appearance photo, the summary of liquefied petroleum gases (LPG) system installation , main structure and installation photo. The main structure and installation photo shall be including:

5.2.1.3.1 The panorama of engine chamber and evaporator, low tension hose and electromagnetic valve and filter.

5.2.1.3.2 LPG switch in the wheelhouse.

5.2.1.3.3 Filler port.

5.2.1.4 Distribution chart of fuel pipeline and instruction.

5.2.1.5 Distribution chart of gas container and instruction.（Gas container’s position and install way）

5.2.1.6 The gastight chamber of gas container’s gastight function and a leak of gas of an exclusive method.

5.2.2 Real vehicle inspection parts: (refer to CNS 12916D1067)

5.2.2.1 The install inspection of fuel structure:

5.2.2.1.1 The fixing device of liquefied petroleum gas’s container.

5.2.2.1.2 Installation of liquefied petroleum gas’s container.

5.2.2.1.3 Installation of fast joint for filled air.

5.2.2.1.4 Installation of evaporation and pressure regulation device.

5.2.2.1.5 Installation of fuel control valve and filter.

5.2.2.1.6 Installation of piping.

5.2.2.2 The gastight testing of piping:

5.2.2.2.1 Inspection fluid.

5.2.2.2.2 Liquid leak hunting device.

5.2.2.2.3 Pressure gauge.

5.2.2.3 The gastight testing of storeroom where liquefied petroleum gas in it:（It could choose any methods you want as below）

5.2.2.3.1 Carbon dioxide testing.

5.2.2.3.2 Vapor gauge testing.