

ICS 13.220.10

CCS C84



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 7956.2-2014

Fire fighting vehicles-Part 2: Water tank fire fighting vehicle

消防车 第2部分：水罐消防车

Issued on: September 3, 2014

Implemented on: July 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB 7956 this part of Chapter 4, Chapter 6, and

7.1 are mandatory, the rest are recommended. GB 7956 "fire" is divided into the following sections.

--- Part 1. General requirements;

--- Part 2. tank fire;

--- Part 3. foam fire engine; This section GB of Section 27956. This section drafted in accordance with GB/T 1.1-2009 given rules. This section presents the People's Republic of China Ministry of Public Security. This part of the National Technical Committee of

Standardization Technical Committee pump fire truck (SAC/TC113/SC4) centralized. This section drafted by: Ministry of Public Security Shanghai Fire Research Institute. The main drafters of this section. Tian Yongxiang, Wan Ming Yan Yau high, FU Jian bridge, Zhu Yun, He Ning, Su Lin, Zouzong Hua, Yin Weide. Fire - Part 2. tank fire

1 Scope

GB 7956.2-2014 is the Chinese national standard on fire fighting vehicles-part 2: water tank fire fighting vehicle, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 3 September 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2015. Classification: ICS 13.220.10, CCS C84. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB This section 7956 specifies the terms and definitions tank fire, technical requirements, test methods, inspection rules and signs, packaging, Transport and storage. This section applies to the water tanker truck; the implementation of water supply fire engines with reference to this section.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3181 standard paint colors

GB 4351.1-2005 Portable fire extinguishers - Part 1. Performance and structural requirements GB 6245-2006 fire pump

GB 7956.1-2014 fire - Part 1. General requirements

GB 19156 artillery fire general technical conditions

3 Terms and Definitions

Terms and definitions defined in GB 6245 and GB 7956.1 apply to this document. For ease of use, repeat the following list GB 7956.1- 2014 Some of the terms and definitions.

3.1 Tank fire watertankfirefightingvehicle Major equipment vehicle fire pump and tank, with water as the main fire extinguishing agent. [GB 7956.1-2014, the definition 3.1.1]

3.2 Water fire watersupplyfirefightingvehicle Major equipment vehicle fire pump and large capacity water tank for fire water supply to the disaster site. [GB 7956.1-2014, the definition 3.1.2] 4. Technical Requirements

4.1 Basic requirements Tank fire (hereinafter referred to as "Water tankers"), water truck (hereinafter referred to as "water car") shall comply with the GB 7956.1-2014 General technical requirements, it must also comply with the requirements of this section.

4.2.1 General requirements

4.2.1.1 After the fuel tank capacity should meet the full load with 100km of continuous work in fire rated flow and outlet pressure 2h.

4.2.1.2 should hand control engine speed controller, the operating mechanism is easy to operate, and maintain a stable engine speed, the operator Members of the fire pump operating pressure should be able to see all display devices, fire pump tachometer and other indicator.

4.2.1.3 Automatic control each body shall manual emergency measures. Fire pump outlet and inlet pressure gauge connection should be provided at the test

4.2.1.4 Operation panel connection pipe, the interface specifications for the M10 x 1.5mm External thread, thread length is not less than 15mm, the position of the interface should be easy to install add-gauge and marked identity.

4.2.1.5 Main area of operation panel 1.2m from the ground should not be greater than 65mm above the outlet.

4.2.2 Instructions and labeling

4.2.2.1 Operation panel should include the following.

- Fire pump rated flow rate and discharge pressure values and operating instructions;
- Fire pump outlet pressure display (accuracy is not less than 2.5);
- Fire pump inlet pressure display (accuracy is not less than 2.5);
- Fire Pump speed display and cumulative operation time is displayed;
- Water tank level display;
- Engine temperature display;
- Engine oil temperature display;
- Instrument panel and switch on the use of description plate;
- Emergency stop button.

4.2.2.2 Operation panel should water pipeline system diagram and basic operating instructions.

4.2.2.3 in the tank at the water inlet should be provided with "water jug mouth" on the signs, signs should be permanently fixed.

4.3 Chassis restructuring requirements

4.3.1 Chassis restructuring should meet the requirements of GB 7956.1-2014 in 5.4.

4.3.2 When the tank is mounted directly on the chassis, body and chassis should ensure elastic coupling without direct contact with the chassis. Requirements

4.4.1 Fire Pump

4.4.1.1 choice of vehicle fire pump shall comply with the relevant provisions of GB of 6245-2006. It puts water installations

4.4.1.2 fire pump should be easy to operate, and should be directly over the water discharged to the outside of the vehicle.

4.4.1.3 fire pump and engine power should match.

--- Fire pump rated operating conditions of the engine shaft power rated power ratio. gasoline should not exceed 55%; diesel engine should not exceed 60%;

--- PTO's growth rate should not exceed 1.5.

4.4.2 Pipeline fire

4.4.2.1 General requirements 4.4.2.1.1 All lines should be corrosion-resistant material or take anti-corrosion measures. 4.4.2.1.2 piping layout should be easy for the fire pump and drive mechanism for maintenance and repair. 4.4.2.1.3 fire line should be used to distinguish between different colors, water pipes and jugs of water to the fire pump piping should GB/T 3181 regulations The G05 dark green outlet road R03 should be a big red GB/T 3181 regulations.

4.4.2.2 fire pump feed line 4.4.2.2.1 When the fire pump located in the inlet side should be on both sides of the vehicle are located in the inlet. Unilateral intake should meet fire rated pressure Force and flow requirements. 4.4.2.2.2 rated flow is not less than 100L/s of the fire water pipe valve should be set. 4.4.2.2.3 inlet pipe should ensure that the water in the 45s can do more than put water inside the pipe. Shall be installed between each inlet 4.4.2.2.4 fire pumps and suction pipe corrosion filters, filter flow area should reduce fire pump Rated pressure and flow. On the screen holes should not adopt.

--- For the rated flow rate of not more than 30L/s of the fire pump, is greater than or equal to particles of 8mm.