Chinastandards.org

ICS 53.100
CCS P 97

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 25608-2017

Replacing GB/T 25608-2010

Earth-moving machinery -- Performance requirements for non-metallic fuel tanks

土方机械 非金属燃油箱的性能要求

(English Translation)

Issued on: November 1, 2017 **Implemented on: May 1, 2018**

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

Preview: page 1 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-25608-2017

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Requirements

4.1 Protection

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 25608-2010 "earthwork machinery non-metallic fuel tank performance requirements." This standard and GB/T 25608-2010, except for editorial changes outside the main technical changes are as follows.

--- Modify the terms and definitions (see 3.4, 2010 version 3.4);

--- Modify the corrosion resistance of non-metallic fuel tank requirements (see 4.2, 2010 version 4.2);

--- Increased tipping test requirements (see 5.1.2);

--- Modify the requirements of the fuel permeability test (see 5.2, 2010 version 5.2);

--- Removed the requirements of the fuel-resistant test (see 2010 version 5.3).

This standard uses the translation method identical with ISO 21507:2010 "Earth-moving machinery non-metallic fuel tank performance requirements." the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 8420-2011 earthwork machinery driver's body size and the driver's minimum space (ISO 3411:2006, IDT);

Earth - moving machinery basic type identification, terms and definitions (ISO 6165:2006, IDT);

--- GB/T 16288-2008 Marking of plastic products (ISO 11469:2000, MOD);

--- GB/T 20953-2007 Tractors and agricultural cabins - Determination of combustion characteristics of cab interior materials (ISO 3795:1989, MOD).

This standard is proposed by the China Machinery Industry Federation.

Preview: page 2 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-25608-2017

This standard by the National Earth Machinery Standardization Technical Committee (SAC/TC334) centralized.

This standard was drafted unit. Tianjin Engineering Machinery Research Institute, Shandong Yuanyuan Petrochemical Co., Ltd.

1 Scope

This standard specifies the performance requirements for non-metallic fuel tanks for earthmoving machinery (hereinafter referred to as "fuel tanks") as defined in ISO 6165.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 3411 earthmoving machine driver's body size and the driver's minimum space (Earth-movingmachinery-Physicaldimensionsofoperatorsandminoperatorspaceenvelope) ISO 3795 Determination of Combustion Characteristics of Tractors and Mechanical Cabin Interior Materials (Roadvehicles, andtractorsand machineryforagricultureandforestry-Determinationofburbehaviourofinteriormaterials) ISO 6165 earthmoving machinery basic type identification, terms and definitions (Earth-movingmachinery-Basictypes-Identificationandtermsanddefinitions) ISO 11469 Plastics Products (Plastics-Genericidentificationandmarkingofplasticsproducts) UNECER34.2003 Uniform Provisions Concerning the Prevention of Fire Dangers in Motor Vehicles (Amendment)

3 Terms and definitions

The following terms and definitions apply to this document.

Non-metalic fuel tank Made of non-metallic materials, fixed to the machine for storage of fuel sealed box.

Driver position operatorstation the driver controls the machine's position in the machine space.

Fuel tank device tankinstalation Includes non-metallic fuel tank, filler cap and all tubing and accessories connected to the tank.

Machine ignition temperature zone machineignitiontemperaturearea on machines, the hot surfaces of the components exceed.200 ° C and may either ignite material or areas in direct access to/contact with fuel (eg, engine exhaust system System).

Preview: page 3 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-25608-2017

Chinastandards.org

4.1 Protection

The fuel tank and the tubing and accessories connected to the fuel tank should be protected by the machine frame part or the external structure to avoid contact with the lower part of the machine

Preview: page 4 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-25608-2017