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

GB 24387-2009

Safety requirement for agriculture and forestry tractor fuel tank

农业和林业拖拉机燃油箱 安全要求

(English Translation)

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Foreword

All the technical contents of this standard is mandatory.

This standard adopts some elements of the EC Regulation ECE-R34 (Rev.1,2003???)
"motor vehicle on fire certification of unified regulations Fixed "(in English).

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee of the tractor.

1 Scope

This standard specifies the safety requirements for agricultural and forestry tractor fuel tank.

This standard applies to agricultural and forestry tractors metal and plastic fuel tank fuel tank, other materials may also refer to the implementation of the fuel tank.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 23292-2009 Test methods tractor fuel tank

3.1 General requirements

3.1.1

The fuel tank should have corrosion resistance.

3.1.2

The fuel tank bolt and nut tightening torque should meet the relevant standards.

3.1.3

The fuel tank should not exceed the rated capacity of the fuel tank capacity of 95%.

3.1.4

The fuel tank should be venting means (such as a vent, safety valves, etc.), the device should be able to vent the fuel tank pressure is compensated for automatically.

Vents should be able to fire.

3.1.5

installation location should be away from the fuel tank of the engine exhaust pipes and other high temperature components, and to avoid the fuel tank to withstand the tractor from the front or rear the impact caused the fuel tank to crack damage, fuel spill.

3.1.6

parts around the fuel tank does not allow sharp protrusions and sharp edges.

3.1.7

the fuel tank and fuel supply line opening should be installed outside the cab driver safety or space.

3.1.8

The total leakage and fuel tank cap breather device should not exceed 30g/min, test according to GB/T 23292-2009 2.1 requirements get on.

3.1.9

Safety valve opening pressure shall not exceed 50kPa. When the fuel tank is higher than the pressure relief valve opening pressure 5kPa, safety valve should open start. Test Press 23292-2009 in 2.2 requirements GB/T performed.

3.2.1 Metal fuel tank vibration durability

Metal fuel tank vibration durability according to GB/T 23292-2009 2.4 requirements in the test, the fuel tank should be no fuel leakage phenomenon.

3.2.2 Pressure resistance of the metal fuel tank

Metal fuel tank pressure resistance according to GB T 23292-2009 2.5 requirements/test, the fuel tank should be no leakage, cracking now Like, allowing permanent deformation

does not affect the normal use of the fuel tank.

3.3.1 Plastic fuel tank vibration durability

Plastic fuel tank vibration durability press GB/T 23292-2009 2.4 requirements in the test, the fuel tank should be no fuel leakage.

3.3.2 Plastic fuel tank pressure resistance

Plastic fuel tank pressure resistance in the press 23292-2009 2.6 with GB/T test, the fuel tank should be no leakage, cracking phenomenon, Allow permanent deformation does not affect the normal use of the fuel tank.

3.3.3 Plastic fuel tank low-temperature impact resistance

Plastic fuel tank low-temperature impact resistance according 23292-2009 specified in GB/T 2.7 were tested, the fuel tank should be no leakage.

3.3.4 Heat resistance of plastic fuel tank

Heat resistance of plastic fuel tank according to GB/T 23292-2009 2.8 requirements in the test, the fuel tank should be no leakage.

3.3.5 Fire resistance of plastic fuel tank

Plastic fuel tank fire resistance according to GB T 23292-2009 in 2.9 requirements/test, the fuel tank should be no leakage and serious Deformation.