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

GB/T 8094-2023

Replacing GB/T 8094-2005

**Equipment for harvesting - Combine harvesters - Determination
and designation of grain tank capacity and unloading device
performance**

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Standardization Administration**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document replaces GB/T 8094-2005 "Determination of Grain Tank Capacity and Grain Unloading Mechanism Performance of Harvesting Machinery Combine Harvesters" and is in line with

Compared with GB/T 8094-2005, except for structural adjustment and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the:2005 edition);
- b) Added terms and definitions (see Chapter 3);
- c) Added requirements for test prototypes (see 4:1);
- d) Change "test conditions" to "test preparation" and change related content (see 4:2, 3:1 of the:2005 edition);
- e) Changed the test procedure (see 4:3, 3:2 of the:2005 edition);
- f) Changed the calculation method of the maximum grain unloading speed (see 5:1, 4:2 of the:2005 edition);
- g) Changed the calculation method of grain unloading time (see 5:2, 4:3 of the:2005 edition);
- h) Changed the calculation method of grain tank capacity (see 5:3, 4:1 of the:2005 edition);
- i) The list of test report items has been changed (see Chapter 6, Chapter 5 of the:2005 edition):

This document is equivalent to ISO 5687:2018 "Determination of grain tank capacity and

grain unloading mechanism performance of harvesting machinery combine harvesters":

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

1 Scope

This document describes the test methods for combine harvester grain tank capacity and unloading mechanism unloading speed:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document:

ofmoisturecontent-Referencemethod)

ISO 4254-7 Safety of agricultural machinery - Part 7: Combine harvesters, forage harvesters, cotton harvesters and sugarcane harvesters

Note: GB 10395:7-2006 Agricultural and Forestry Tractors and Machinery Safety Technical Requirements Part 7: Combine Harvesters, Forage and Cotton Harvesters

(ISO 4254-7:1995, MOD)

Note: GB/T 6979:1-2005 Harvesting Machinery Combine Harvesters and Functional Components Part 1: Vocabulary (ISO 6689-1:1997, MOD)

ISO 7971-2 Determination of grain bulk density per hectoliter mass - Part 2: Measurement of instruments by reference to international standard instruments

3 Terms and Definitions

The terms and definitions defined in ISO 6689 and ISO 4254-7 apply to this document:

4 Test method

4:1 Test prototype

4:1:1 The combine harvester used in the test shall be marked with brand, model, product number, details of grain unloading mechanism and other relevant information:

4:1:2 The terms defined in ISO 6689 and their corresponding measurement methods shall

be used:

4:1:3 The combine harvester used in the test shall be equipped with a commonly used wheat header: The configuration information of the harvester shall be recorded in the test report:

1) The original undated reference to ISO 6689-1, the latest version of which is ISO 6689:2021:

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