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

中华人民共和国国家标准

GB/T 5862-2008

Replace GB/T 5862-2004

**Agricultural tractors and machinery—General
purpose quick-action hydraulic couplers**

农业拖拉机和机具

通用液压快换接头

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China**

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Foreword

This standard is the revised version of GB/T 5682-2004 “Agricultural Tractors and Machinery - General Purpose Quick-action Hydraulic Coupler”.

Compared with GB/T 5682-2004, the revision of the standard is specified as follows:

—This standard is the product of combination of GB/T 5862-2004 and JB/T 8302-2000.

—Revise the “scope”;

—Add the basic parameters of male quick-action coupler, e.g. thread specification;

—Add the figure of ball valve coupler;

—Re-edit the working requirements of original standard;

—Add the requirements on the performance, test method, test rule, marking, package and storage of quick-action coupler;

—Remove Table 1 as specified in Chapter 2 of the primary standard.

The standard replaces GB/T 5862-2004 since the date of implementation.

This standard is proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of National Technical Committee on Tractor of Standardization Administration of China.

This standard is drafted by Zhangjiakou Ruitu Hydraulics Co., Ltd.

This standard is jointly drafted by Zhuji Yazhong Tractor Accessories Co., Ltd., Jiangsu Yancheng Jufeng Hydraulic Equipment Co., Ltd., Deere & Company and Luoyang Tractor Research Institute.

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This standard replaces the following primary standard:

—GB/T 5862-2004.

Agricultural Tractors and Machinery – General Purpose

Quick-action Hydraulic Couplers

1 Scope

This standard specifies the terms and definitions, dimensions, basic parameters, test methods, test rules, and the requirements on the identification, package and storage of quick-action hydraulic coupler of agricultural tractor and machinery (hereinafter referred as coupler).

This standard is applicable to the hydraulic power of tractor which is transmitted to the coupler through frequent connection and disconnection of pipe coupler.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2828.1 Sampling procedures for inspection by attributea-Part1: Sampling schemes indexed by acceptance quality limit(AQL) for lot-by-lot inspection (GB/T 2828.1-2003, IDT ISO 2859-1:1999)

GB/T 5860-2003 Hydraulic fluid power—Quick-action couplings—Dimensions and requirements (ISO 7241-1:1987,IDT)

GB/T 5861-2003 Hydraulic fluid power—Quick action couplings—Test methods (ISO 7241-2:2000,IDT)

GB/T 8606-2003 Thread connecting dimensions and specifications of hydraulic fluid power—Quick action couplings

3 Terms and definitions

For the purpose of this standard, the following terms and definitions shall apply.

3.1

Female quick-action coupler (female coupler)

Refer to the coupler with the hole base where the male coupler can be inserted.



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