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Agricultural tractors — Test procedures —

Part 2: Rear three-point linkage lifting capacity

Tracteurs agricoles — Méthodes d'essai —

Partie 2: Capacité de relevage de l'attelage trois points arrière



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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Measurement units and tolerances	2
5 General requirements	2
5.1 Selection	2
5.2 Running-in and preliminary adjustments	2
5.3 Manufacturer's instructions	2
5.4 Repairs	2
5.5 Preliminary information	2
5.6 Hydraulic fluid	3
5.7 Ambient conditions	3
6 Test procedures	3
6.1 Common procedures	3
6.1.1 Secure	3
6.1.2 Adjustment	3
6.1.3 Throttle lever	4
6.1.4 Measured maximum performance	4
6.2 Lift at lower hitch points	5
6.3 Lift on coupled frame	6
7 Test report	6
Bibliography	7

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

This fourth edition cancels and replaces the third edition (ISO 789-2:1993), which has been technically revised for the technical harmonization with OECD Code 2: February 2017.

A list of all the parts in the ISO 789 series can be found on the ISO website.

Agricultural tractors — Test procedures —

Part 2: Rear three-point linkage lifting capacity

1 Scope

This document specifies test procedures for determining the lifting capacity of rear-mounted three-point linkage systems:

- a) the maximum vertical force which can be exerted by the hydraulic lift at the lower hitch points throughout their full range of movement;
- b) the maximum vertical force which can be exerted by the hydraulic lift, at a point 610 mm to the rear of the hitch points on a frame attached to the three-point linkage, throughout its full range of movement.

NOTE 1 A static test provides an adequate comparison between tractors. The test results are used only as a means of comparing tractors and not as a way of recommending the size of an implement which can be carried by the tractor.

NOTE 2 This test procedure can be used to determine the lifting capacity of front-mounted three-point hitch systems.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 730:2009, *Agricultural wheeled tractors — Rear-mounted three-point linkage — Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4*

ISO 730:2009/Amd 1:2014, *Agricultural wheeled tractors — Rear mounted three-point linkage — Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 — Amendment 1*

ISO 789-13:2018, *Agricultural tractors — Test procedures — Part 13: Vocabulary and specimen test report*

ISO 3448:1992, *Industrial liquid lubricants — ISO viscosity classification*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 789-13 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>