INTERNATIONAL STANDARD

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Agricultural tractors and machinery — Coding of remote hydraulic power services and controls

Tracteurs et matériels agricoles — Codage des commandes et services hydrauliques à distance

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11471 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

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Agricultural tractors and machinery — Coding of remote hydraulic power services and controls

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1 Scope

This International Standard specifies the coding to be used to identify the couplings and controls for the remote hydraulic power services of agricultural tractors, machinery and implements.

The identification of couplings and controls will be useful to implement manufacturers to enable them to identify the implement hoses with the appropriate extended or retracted cylinder symbol. This will help ensure proper operation of the implement when connected to the tractor.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3767-1:1991, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols.*

ISO 3767-2:1991, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 2: Symbols for agricultural tractors and machinery.*

3 Requirements

3.1 Each control and the corresponding couplings on the tractor shall be identified by a common numerical (Arabic) symbol, which shall be visible to the operator when connecting the couplings at the rear or front of the tractor.

3.2 In addition to the control positions, each coupler shall be identified to show which coupling is connected to the pressure source of the tractor for a particular control position (see figure 1).

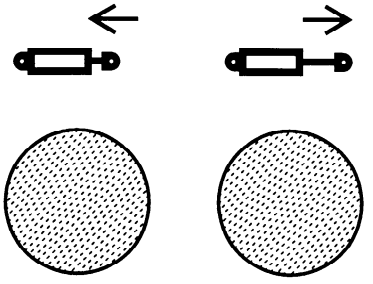

Figure 1 — Couplings connected to pressure source

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3.3 The remote cylinder-extend symbol (1570), remote cylinder-retract symbol (1571) and remote cylinder-float symbol (1661) according ISO 3767-2 shall be used (see figure 2).

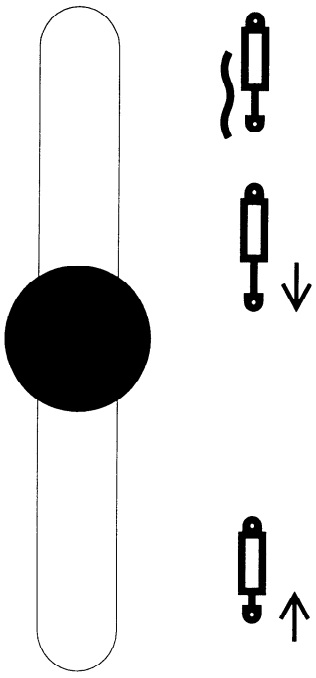

Figure 2 — Hydraulic cylinder control

3.4 A coupling on the tractor which is connected directly to the tractor hydraulic reservoir may be identified as shown in figure 3.

NOTE 1 The symbol shown in figure 3 has not yet been registered in ISO 3767-2.

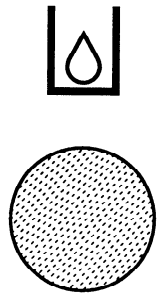

Figure 3 — Coupling connected to reservoir

3.5 If a trailer brake system is provided the brake system symbol (1399) according to ISO 3767-1 shall be used (see figure 4).

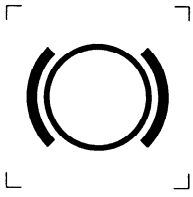

Figure 4 — Brake system

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