INTERNATIONAL STANDARD

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Cranes — Test code and procedures

Appareils de levage à charge suspendue — Code et méthodes d'essai

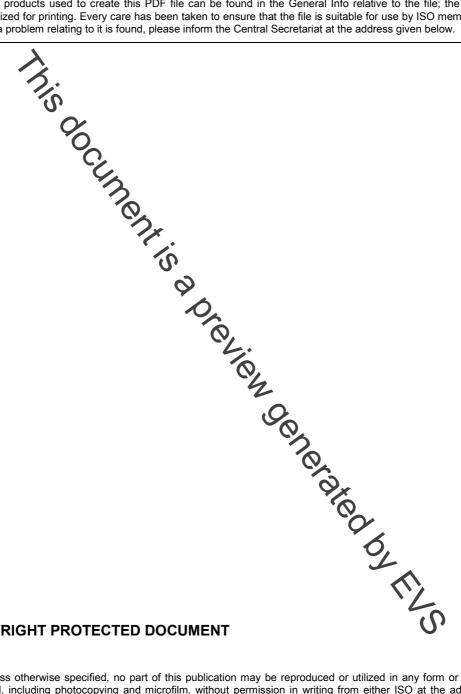


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Contents	Page
Foreword	iv

I OLEW	01u
1	Scope1
2	Normative references 1
3	Types of testing and inspection procedures1
4 4.1 4.2 4.3	Test and inspection procedures
4.3.1 4.3.2 4.3.3	Condition Cond
4.3.4	Stability tests
5	Test conditions5
6	Test report5
Annex	A (normative) Stability test and test conditions for mobile cranes
	A (normative) Stability test and test conditions for mobile cranes 6 graphy 10

iii

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 Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical contrittees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires applying by at least 75 % of the member bodies casting a vote.

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.

ISO 4310 was prepared by Technical Committee SO/TC 96, Cranes, Subcommittee SC 4, Test methods.

Ation (, Ocenien Generaled Dy Frys This second edition cancels and replaces the first edition (ISO 4310:1981), which has been technically revised.

Cranes — Test code and procedures

1 Scope

This International standard specifies tests, inspections and procedures for verifying the conformance of a crane with its operational specifications and its capability to lift rated loads (see ISO 7363).

This International Standard is applicable to the types of cranes designated in ISO 4306-1, prior to first use following manufacture or after modification or repair of the load-bearing structure or a component of an individual crane.

Where rated loads are governed by stability, a test procedure and test load are specified that permit stability margins to be easily verified.

2 Normative references

The following referenced documents are indispensable for the application 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 4306-1, Cranes — Vocabulary — Part 1: General

ISO 7363, Cranes and lifting appliances — Technical characteristics and acceptance documents

ISO 11629, Cranes — Measurement of the mass of a crane and its components

ISO 13202, Cranes — Measurement of velocity and time parameters

ISO 14518, Cranes — Requirements for test loads

3 Types of testing and inspection procedures

- **3.1** Three types of test and inspection procedures are to be used to accomplish the aims of this International Standard:
- a) testing and inspection of cranes for conformity to specifications, as required in a
- b) visual inspection, as required in 4.2;
- c) testing of cranes for lifting loads, as required in 4.3.