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

GB/T 22414-2008

Cranes -- Measurement of velocity and time parameters

起重机 速度和时间参数的测量

(English Translation)

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Foreword

This standard is identical with ISO 13202:2003 "Cranes speed and time parameters of measurement" (in English).

This standard is equivalent to translate ISO 13202:2003.

For ease of use, this standard made the following editorial changes.

--- "This International Standard" be replaced by "this standard";

--- Delete foreword international standards;

--- Other international standard ISO 13202 cited by international standards have been adopted in place of the corresponding standard.

Appendix A of this standard is an informative annex.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee crane (SAC/TC227) centralized.

This standard was drafted. Beijing Materials Handling Research Institute.

1 Scope

This standard specifies the GB/T 17908 identified measurement guidelines crane speed and time parameters.

This standard is a supplement to GB/T 5905 and covers the type which provides crane.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 5905 Cranes - Test code and procedures (GB/T 5905-1986, idt ISO 4310. 1981) GB/T 17908 Cranes and lifting appliances - Technical characteristics and acceptance documents (GB/T 17908-1999, idt ISO 7363.

1986)

GB/T 21457 Cranes and related equipment - Test Measurement precision parameter (GB/T 21457-2008, ISO 9373. 1989, IDT)

3 Test conditions

Test conditions should meet the GB/T 5905 requirements.

Before carrying out the test, check the crane systems and institutions in no-load operation during normal functioning.

Crane test used shall be equipped in accordance with the manufacturer's technical requirements, and shall conform to GB/T 17908 requirements.

4 Measurement equipment and accuracy

Precision measuring velocity and time parameters of the measuring device used to test the crane shall be in accordance with GB/T 21457 requirements Selection, and in line with national norms.

In the test, the number of measurements and tolerances of the measured velocity and time parameters should meet GB/T 21457 requirements of.

5 Test procedure

Before proceeding with speed and time parameters measurement should be completed to ensure that the operation of the test cycle in accordance with the test requirements of Crane Parts Party Test method.

Where appropriate, at full load and no-load conditions, the maximum response, intermediate and minimum velocity predetermined other parts (or its associated time Parameters) were measured.

Linear motion speed crane or components, it should be based on the measured time measured by the test path length required to calculate the correct set. Motion acceleration and deceleration of the part should be excluded. The measurement results shall be recorded.

Angular velocity or crane parts, should be determined based on the time measured along the arc of movement of the test path need. movement Acceleration and deceleration part should be excluded. The measurement results shall be recorded.

Table A. 1 shows an example of the format of the calculation of the average linear velocity.

Table A. 2 shows the format shown in calculating the average angular velocity

example. These values can also determine other suitable format.

6 Test report

The test report measuring velocity and time parameters should contain the following information.

GB/T 22414-2008/ISO 13202:2003