



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

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**Code for engineering installation acceptance of metallurgical
machinery hydromatic, lubricating and pneumatic system
equipment**

冶金机械液压、润滑和气动设备工程安装验收规范

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1.0.1

This Code is formulated to ensure the engineering installation quality of metallurgical machinery hydromatic, lubricating and pneumatic system equipment and to unify the quality acceptance standards.

1.0.2

This Code applies to the engineering installation and acceptance of newly built, renovated, and expanded metallurgical machinery hydromatic, lubricating and pneumatic system equipment.

1.0.3

This Code outlines the basic requirements for the engineering installation of metallurgical machinery hydromatic, lubricating and pneumatic system equipment.

When the design documents contain specific requirements, those requirements shall also be followed.

1.0.4

In addition to complying with the provisions of this Code, the quality acceptance of the engineering installation of metallurgical machinery hydromatic, lubricating and pneumatic system equipment shall also comply with the provisions of the relevant current national standards.

2.0.1

The construction site shall have corresponding construction technical standards, a sound safety and quality management system, and quality control and inspection procedures. Approved technical documents such as construction organization design, specific construction plans, and construction operation designs shall be available.

2.0.2

The quality inspection and acceptance of the engineering installation of metallurgical machinery hydromatic, lubricating and pneumatic system equipment shall be conducted using measuring instruments that have passed metrological verification or calibration. Their accuracy class shall meet the accuracy requirements of the tested items and shall be used within their validity period.

2.0.3

The engineering installation of metallurgical machinery hydromatic, lubricating and pneumatic system equipment shall be carried out according to the prescribed procedures. Handover inspections shall be conducted between relevant professional debris around the equipment;

11 No fewer than 10 spot checks shall be conducted for each of the above items.

2.0.10

The engineering installation quality acceptance records for metallurgical machinery hydromatic, lubricating and pneumatic system equipment shall comply with the following provisions.

1 The quality acceptance records for subentries shall be made in accordance with Appendix A of this Code;

2 The quality acceptance records for divisions shall be made in accordance with Appendix B of this Code;

3 The quality acceptance records for units shall be made in accordance with Appendix C of this Code;

4 Equipment debugging and test run records shall be kept in accordance with Appendix D of this Code;

5 The no-load linkage test run records of the equipment shall be made in accordance with Appendix E of this Code.

2.0.11

The quality acceptance procedures for the engineering installation of metallurgical machinery hydromatic, lubricating and pneumatic system equipment shall comply with the following provisions.

1 The quality acceptance of subentries shall be conducted by the constructor's professional

technical managers (supervising engineers), along with the constructor's professional technical managers as well as quality inspectors, after the constructor has conducted its own inspection and found the subentries to be qualified. The quality acceptance record for subentries shall be filled out by the constructor, and the acceptance conclusion shall be filled out by the constructor (supervisor). It shall be divided into two levels. "qualified" or "unqualified".

2 The quality acceptance of divisions shall be carried out by the constructor submitting an application for acceptance to the constructor after the acceptance of divisions have passed. The project manager (chief supervising engineer) of the constructor shall organize the project managers and technical managers of the constructor, supervisor, designer and other relevant parties to conduct the acceptance. The quality acceptance record for divisions shall be filled out by the constructor. The acceptance conclusion shall be filled out by the constructor (supervisor). It shall be divided into two levels. "qualified" or "unqualified".

3 After the completion of units, the constructor shall submit an application for inspection to the constructor, and the project manager of the constructor shall organize the project managers of the constructor, supervisor, and designer to conduct the inspection. The quality acceptance record shall be filled out by the constructor. The acceptance conclusion shall be filled out by the constructor (supervisor). It shall be divided into two levels. "qualified" or "unqualified".

4 When a project is undertaken by a subcontractor, the general contractor shall be fully responsible to the client for the quality of the project. Both the general contractor and the subcontractor shall bear joint and several liability.

3.1 Equipment foundation

I Main control projects

3.1.1

The strength of the equipment foundation shall meet the requirements of the design technical documents.

Inspection quantity. 100% inspected.

Inspection method. check the basic handover documents.

3.1.2

Before the equipment is in place, a layout diagram of the center marker and elevation reference points shall be drawn according to the construction drawings and the measurement control network. The center marker and elevation reference points shall be set up according to the layout diagram. Measurements shall then be taken and the points projected.