

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

JT/T 1299-2019

**Technical regulations for combined commissioning of dry bulk
terminal handling equipment**

干散货港口设备联动试车技术要求 清晰版

(English Translation)

Issued on: December 24, 2019

Implemented on: March 1, 2020

Issued by: Ministry of Transport

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Foreword

This standard is in accordance with GB/T Draft the rules given in 1-2009.

This standard was proposed and managed by the National Port Standardization Technical Committee (SAC/TC 530).

This standard was drafted. China Communications Mechanical and Electrical Engineering Bureau Co., Ltd., Shanghai Zhenhua Heavy Industry (Group) Co., Ltd., Ministry of Transport Academy of Sciences.

1 Scope

This standard specifies the general provisions, overall plan, stand-alone test, linkage test, production performance test of dry bulk port equipment linkage test.

Requirements for nuclear, safe work and handover acceptance.

This standard applies to coal, ore, dry bulk cargo terminal equipment linkage test, cement, fertilizer and other terminals can be used as a reference.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB 383.6. 1 Explosive atmospheres Part 1. General requirements for equipment GB 15577

Dust explosion safety regulations GB 17918 Dust explosion-proof safety regulations for port bulk grain handling system GB/T 26475 bridge grab ship unloader GB 50034 Design Code for Architectural Lighting GB 50008 Code for design of electrical installations in explosive atmospheres GB 5016 Code for Construction and Acceptance of Automatic Fire Alarm System GB Z 188 Technical specifications for occupational health monitoring JB/T 4149 Technical Specifications of Arm Bucket Wheel Stacker and Reclaimer JB/T 7015 rotary dumper JT/T 557 Lighting Illumination and Measurement Method for Port Handling Area JT/T 1073 Bulk Cargo Continuous Loader JT J 244 Quality Inspection Standards for Port Equipment Installation Engineering JT S 149-1 Code for Environmental Protection Design of Port Engineering JT S.2005-1 Technical Specifications for Safety Protection of Waterway Engineering Construction JT S 217 Technical Specifications for Port Equipment Installation Engineering JT S 257 Quality Inspection Standard for Water Transport Engineering

3 Terms and definitions

The following terms and definitions apply to this document.

Mechanical and electrical engineering construction period plan prozector schedule Master plan for construction period of mechanical and electrical engineering. Including pre-construction preparation, design, procurement and manufacturing, construction commissioning, production preparation, linkage the whole process planning of test run, production performance assessment, handover and completion acceptance, defect liability period, etc.

Stand-alone test commissioning commisioning After the installation project is completed, the commissioning of various stand-alone equipment and subsystems is performed on site before the linkage test. Including. electrical system JT/T 1299-2019 Commissioning, of control systems, commissioning of mechanical equipment, commissioning of large stand-alone equipment, commissioning of communication systems, commissioning of environmental protection facilities, safety equipment Commissioning, of occupational disease protection facilities, commissioning of fire protection facilities, commissioning of monitoring facilities, etc.

No-load linkage test drive comb d commisioning After the single machine test of each equipment or subsystem is qualified, the joint test run of various processes performed when the material conditions are not put into operation to check Production equipment performance and manufacturing, installation quality, control and interlocking relationship with upstream and downstream.

Heavy-duty linkage test run combed wet commission After the no-load linkage test is qualified, all production equipment will be passed through the production process with the materials specified in the design documents, and the upstream and downstream design will be carried out.

The material input and connection between the two ends of the equipment are linked to the test run to check all its performance except economic indicators.

3. Five

Production performance assessment After the heavy-duty linkage test is qualified, the production equipment has reached the conditions of stable operation, and the production capacity specified for the design documents and construction requirements is evaluated.

The operation and testing of the rated load or the maximum allowable load of the equipment.

4 General requirements

4.1

The construction unit organizes the relevant units for project implementation, compiles the overall test plan according to the design documents and construction requirements, and shall be subject to the construction order the person in charge of technology and the person in charge of the supervision unit shall implement it after approval.

4.2

The construction unit shall set up a production preparation organization at the appropriate time during the construction of the project, responsible for the production preparation work, compile the production preparation outline, and Meet the needs of commissioning.

4.3

The construction unit should be familiar with the design documents, construction requirements, production and loading processes before installation to ensure that the project quality and schedule meet the test run Claim.

4.4

The installation progress of the construction shall be completed on schedule in accordance with the schedule of mechanical and electrical engineering.

4.5

During the construction process, the construction unit shall install in accordance with the requirements of design documents such as technical data and construction drawings, and the installation quality shall meet the JT S the requirements of 257, JT J 244, and JT S 217 create conditions for commissioning.

4.6

Before the start of the test, it should reach 6. 1.7. 2 conditions; test run should include all content specified in the design documents; test run results should reach the design Documents and standards required for construction.

4.7

The commissioning work shall strictly implement the procedures stipulated in the overall scheme of commissioning. The previous procedure is unqualified and the commissioning of the next stage shall not be conducted.

4.8

The stand-alone test and no-load linkage test shall be undertaken by the construction unit, coordinated by the manufacturing unit, and supervised by the construction unit and the supervision unit.

Supervision; heavy-duty linkage test run and production performance assessment shall be led by the construction unit, coordinated by the construction (manufacturing) unit, and supervised by the supervision unit.

Process supervision.

4.9

Unless otherwise specified, the construction unit shall be responsible for completing the electricity, water, oil, materials, road, Communication, shipping, rail and road transport vehicles.

4.10

When a fault or accident occurs during the test run, the test run should be stopped immediately, the cause should be identified, and reliable safety measures should be taken to ensure that Keep personal and equipment safe; failures and accidents have not been ruled out, and commissioning should not be continued.

4.11

Environmental protection facilities, safety facilities, occupational disease protection facilities, and fire protection facilities shall be debugged simultaneously with production equipment. Emissions it shall meet the requirements of JT S 149-1.

4.12

Engineering-related engineering quality shall comply with the provisions of JT S 257, environmental protection facilities shall comply with the provisions of JT S 149 ~ 1, and safety facilities.

The facilities shall comply with the requirements of JT S.2005-1, the occupational disease protection facilities shall comply with the requirements of GB 8 188, and the fire protection facilities shall comply with the requirements of GB 5016.

Regulations.

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