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JJG

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

JJG 621-2012

Replacing JJG 621-2005

**Verification Regulation of Hydraulic Jacks
(English Translation)**

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8 Test results processing and verification cycle (6)

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Introduction

JJF1002 "national verification procedures write rules", JJF1001 "common measurement terms and definitions of" common structure to support a revision of the regulations on the basis of the system specifications.

JJG 621 "hydraulic jack" is JG/T 321-2011 "prestressed by hydraulic jacks", JB2104-1991

"hydraulic jack" as the basis for revising JJG 621-2005 version. And JJG 621-2005 phase Ratio, in addition to editorial changes outside the main technical changes are as follows.

- Canceled a procedure crawling requirements;
- Cancel the original statutes to start oil pressure requirements;
- Canceled a trip to the requirements of the statutes;
- Refine the measurement of performance indicators show a different jack shown values (see 5.1);
- Increased verification of measuring instruments specific requirements (see 7.1.2);
- Refine the test conditions (see 7.1).

JJG 621-2005 of previously issued as follows.

- JJG 621-1996 "hydraulic tensioning machine." Hydraulic jacks test procedures

1 Scope

The order applies to have the indication of hydraulic jacks (hereinafter referred to as jack) initial verification, follow-up inspection and given the use of checks.

2. References

JJG 49-1999 Bourdon Tube Precise pressure gauge and vacuum gauge JJF1001 common measurement terms and definitions JG/T 321-2011 prestressed by hydraulic jacks JB2104-1991 hydraulic jack for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 Terms

3.1 load efficiency Jack output power than with the theoretical value of the force.

3.2 Leak internalleak Jack while maintaining the pressure, due to poor internal seal leakage phenomenon.

3.3 calibration equation in order to be able to jack anyone, continuous use within the range of values, established in accordance with a limited number of extremely heavy set of data Top pressure value and the standard represents the relationship between the applied force value.

Note: usually once or twice a curve.

4 Overview

Mainly by jack jack body, pumps, oil, and indicators, and its working principle is to pump oil through Road to the jack body oil, body exerting a force on the jack body force, indicated by

analog or digital indicator Directly or indirectly, indicating the value of the applied force. Hydraulic jack is mainly used for pile force value engineering and structural engineering applied and control.

5 metering performance requirements

5.1 Indicator display force value, jack accuracy level and technical indicators in Table 1.