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

JG/T 319-2011

Replacing JG/T 5029-1993

**Electric oil pump for prestressing
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is the revision of JG/T 5029-1993 "prestressed electric oil pump", this standard compared with the main JG/T 5029-1993 Technical changes are as follows.

- Modify the scope of the description (see Chapter 1);
- Modify and increase the reference standard (see Chapter 2);
- Added Chapter 3 "Terms and definitions";
- Modify the product classification (1993 version 3.1; version 4.1);
- Modify the model preparation method (1993 version 3.2; version 4.2);
- Modify and increase the main parameters of the series of specifications (1993 version 3.3; version 4.3);
- Modify the requirements of the working medium (1993 version 4.1.1; version 5.1.1);
- Modify the nipple thread requirements (1993 version 4.1.3; version 5.1.3);
- Increasing the requirements of pressure measuring device (see 5.1.4);
- Increasing the requirements of functional signs (see 5.1.5);
- Increasing the lifting device requirements (see 5.1.6);
- Modify the requirements of no-load performance (1993 version 4.2.1; version 5.2.1);
- Modify the requirements of full load performance (1993 version 4.2.2 and 4.2.4; version 5.2.2);
- Modify the overload performance requirements (1993 version 4.2.3; version 5.2.3);
- Modify the durability requirements (1993 version 4.2.5; version 5.2.4);
- Increased cutting requirements (see 5.4.1);

- Modify the requirements of test oil and test equipment (1993 version 5.1; version 6.1);
- Added requirements for low pressure test conditions (see 6.1.3);
- Added requirements for running and running (see 6.2);
- Modify the test method (1993 edition of 5.2 to 5.7; this edition of 6.3 to 6.7);
- Modify the factory inspection in the repair product inspection requirements (1993 version 6.2.2; version 7.4);
- Modify the type test rework product inspection project requirements (1993 version 6.5; version 7.8);
- Removed the original appendix A, added a new Appendix A.

Appendix A of this standard is an informative annex.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Standard Technical focal points centralized.

1 Scope

This standard specifies the prestressed electric oil pump classification and type, requirements, test methods, inspection rules and signs, packaging and storage.

This standard applies to prestressed engineering and prestressed with hydraulic jacks, prestressed tendons with hydraulic devices, prestressed tendons with the extruder, Prestressed strand with ginning machines and other supporting the use of the rated pressure of not more than 125MPa to the hydraulic fluid or other performance equivalent liquid Working medium electric pump (hereinafter referred to as the pump).

2 Normative references

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

GB/T 1804 General tolerances Tolerances for linear and angular dimensions without tolerances GB/T 1239.2 Cold rolled cylindrical coil springs - Part 2. Compression springs GB/T 1239.4 hot coil cylindrical helical compression spring technical conditions GB/T 14039 hydraulic transmission fluid solid particles pollution level code GB/T 16924 steel quenching and tempering GB/T 17446 hydraulic transmission systems and components terminology JB/T 5000.3 General technical requirements for heavy machinery - Part 3. Welded parts JB/T 5000.4 General specifications for heavy machinery - Part 4. Cast iron

parts JB/T 5000.5 General specifications for heavy machinery - Part 5. Non - ferrous metal castings JB/T 5000.6 General specifications for heavy machinery - Part 6. Steel castings JB/T 5000.8 General specification for heavy machinery Part 8. Forgings JB/T 5000.9 General specifications for heavy machinery Part 9. Cutting parts JB/T 5000.10 General specifications for heavy machinery - Part 10. Assembly JB/T 5000.12 General specifications for heavy machinery - Part 12. Painting JB/T 5000.13 General specifications for heavy machinery - Part 13. Packaging

3 Terms and definitions

GB/T 17446 defined and the following terms and definitions apply to this document.

Rated pressure Pump within the specified speed range of normal operation, and to ensure the design of the highest output pressure of life.

No-load pressure idleloadpressure the actual pump output pressure when no load.

Overload test pressure the minimum pressure that must be met when carrying out the overload test.