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

GB/T 26143-2010

**Connectors for hydraulic fluid power -- Test methods
(English Translation)**

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Foreword

This standard is based on GB/T 1.1-2009 given rule drafting.

This standard uses the translation method identical with ISO 19879:2010 "fittings for hydraulic fluid power and general use of the transmission tube Test methods "joints.

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

GB/T 230 (all parts) Metallic Rockwell hardness test [ISO 6508 (all parts)] GB/T 3141-1994 Industrial liquid lubricants - ISO viscosity classification (eqv ISO 3448:1992) GB/T 3452.2-2007 hydraulic and pneumatic rubber O-rings - Part 2. appearance quality inspection standard (ISO 3601-3.

2005, IDT)

GB/T 6031-1998 Determination of vulcanized rubber or thermoplastic rubber hardness (10 ~ 100IRHD) (idt ISO 48:1994) GB/T 7631.2-2003 Lubricants, industrial oils and related products (L class) classification - Part 2. H (Hydraulic systems) (ISO 6743-4:1999, IDT) GB/T 7939-2008 Hydraulic hose assemblies - Test methods (ISO 6605:2002, MOD) GB/T 17446-1998 fluid power systems and components term (idt ISO 5598. 1985) this standard made the following editorial changes.

--- The standard name reduced to "hydraulic fittings test methods";

--- Add "or test pressure specified" in Table 5 "test duration" narrative;

--- Add "9.1", "11.2", "12.1" and "13.1" and "Notes." the standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee of hydraulic and pneumatic (SAC/TC3) centralized.

Introduction

In fluid power systems, power and control is passed through a closed-loop pressurized liquid inside. Design elements that must be met these changes in working conditions requirements. Detecting element meet the performance requirements carried out, to determine whether the design elements and practical test whether the element symbol Combined requirements provided.

Test methods for hydraulic fittings Warning. Some of the tests in this standard are dangerous and therefore must be strictly take all appropriate safety precautions during the test Measures. For burst, fine spray (may penetrate the skin) hazardous energy release and expansion of the gas, etc. should be noted. In order to reduce energy Dangerous release of pressure before the test specimen shall discharge the air inside. Test by trained and qualified personnel to operate and complete.

1 Scope

This standard specifies the types of metal fittings used in the hydraulic transmission, and port match the stud end, testing and performance of flanged pipe joints Unified Approach evaluation. This standard does not apply to hydraulic GB/T 5861 covered by the quick-change test pipe joint.

The standard of the test is independent of each other, it is to follow the test file. Specific pilot project to be carried out and meet performance standards Corresponding standard components.

Eligible for pipe joint determination, minimum number of specimens shall be specified in this standard test, but otherwise the relevant standard gauge fittings Except in the case of a given user or manufacturer otherwise agreed.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 48 Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10IRHD ~ 100IRHD) (Rubber, vul-canized or thermoplastic-Determination of hardness (hardness between 10IRHD and 100IRHD) ISO 3448 Industrial liquid lubricants - ISO viscosity classification (Industrial liquid lubricants-ISO viscosity classification) ISO 3601-3 fluid transmission O-rings - Part 3. Quality acceptance criteria (Fluid power systems-O-rings-Part 3. Quality acceptance criteria) ISO 5598 Fluid power systems and components vocabulary (Fluid power systems and components-Vocabulary) ISO

6508 (all parts) of metallic materials Rockwell hardness test
(Metalicmaterials-rockwelhardnesstest) ISO 6605 Hydraulic hoses and hose assemblies -
Test methods (Hydraulicfluidpower-Hoseandhose assemblies-Testmethod) ISO 6743-4
Lubricants, industrial oils and related products (L class) classification - Part 4. H (Hydraulic
systems) (Lubricants, industrialoilsandrelatedproducts (classL) -Classification-Part 4.
familyH (Hydraulicsystems)

3 Terms and Definitions

Terms and definitions established in ISO 5598 apply to this document.

4.1 Component Test

All participants should be the ultimate form of elements, including annealed nut (when
brazing components required). Unless the various types of standard fittings