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

GB/T 12722-2008

Replacing GB/T 12722-1991

**Rubber and plastics hose assemblies -- Flexing combined with
hydraulic impulse test (half-omega test)**

橡胶和塑料软管组合件 液压脉冲曲挠试验(半 Ω 试验)

(English Translation)

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Foreword

This standard is identical with ISO 8032:1997 "Rubber and plastics hose assemblies - Flexing hydraulic impulse test (half ohm test)" (in English).

This standard is equivalent translation ISO 8032:1997.

For ease of use, this standard also made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) use a decimal point instead of a decimal comma " , " ;
- c) Remove the International Standards Preface;
- d) due to the international standards referenced in Chapter 2 of the ISO 6802 standard is not normative references, so in this standard in its reference Documents listed in the text.

This standard replaces GB/T 12722-1991 "Rubber and plastics hose assemblies - Flexing combined with hydraulic impulse test (half ohm test)." this standard and GB/T 12722-1991 main differences are as follows.

- Modify the standard name;
- Modify the sample requirements (see Chapter 4);
- Modify the test fluid temperature (1991 version 5.1; Chapter 5 of this edition);
- Modify the minimum bend radius of the outer diameter of the hose representation letter (see Chapter 4);
- Increased rate of pressure rise and the test fluid (Chapter 7 of this edition) in the test report.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Rubber and rubber products hose Standardization Technical Committee Technical Committee (SAC/TC35/SC1) centralized.

This standard was drafted. Rubber Group in Shenyang Rubber Research Institute.

Introduction

Hydraulic hose assemblies often flexing in use, especially when used in the dynamic equipment. This test is used to accelerate the use of samples and the same type of damage may occur.

This standard is flexing hydraulic impulse test (GB/T 14904) close to another test method, GB/T 14904 specifies a pulse Flexing punch test method specified in this standard is a more demanding bending and higher pulse pressures accelerate the destruction of the sample approach.

NOTE: should be clear to those conditions of pressure and bending radius of the test method used than the product specifications on hose apparently harsh, but not it means hose assemblies can be used in these conditions.

GB/T 12722-2008/ISO 8032:1997 Rubber and plastics hose assemblies Flexing hydraulic impulse test (half ohm test) Warning --- the use of this standard should be familiar with normal laboratory practice. This standard does not purport relates to the use of this standard may occur all security issues. Develop appropriate safety and health system and to ensure compliance with national regulations is the responsibility of the user.

1 Scope

This standard specifies a method of test pulse during hydraulic hose assemblies in a manner called "semi-ohm" Qu torsion.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 5568-2006 rubber or plastic hoses and hose assemblies - Hydraulic impulse test without flexing (ISO 6803:1994, IDT)

3 Devices and materials

3.1

torsion test stand, the test stand can be installed sample, and according to the test parameters specified in Chapter 5 of FIGURE 1 shown flexor scratch.

Test rig consists of a rotating arm mounted on a fixed manifold and manifold components.

Rotating arm mounted to the manifold and the manifold remains fixed to the vertical (see Figure 1).

Figure 1 Sample installation diagram

GB/T 12722-2008/ISO 8032:1997