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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 18425-2014

Replacing GB/T 18425-2001

Rubber hoses for steam -- Test methods

———B法:水平台架法;

(English Translation)

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Foreword

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

This standard replaces GB/T 18425-2001 "steam rubber hose test methods", compared with the GB/T 18425-2001 Main Changes are as follows.

--- Modify the standard name is "steam rubber hose and hose assemblies for test methods";

--- Increasing the normative references (see Chapter 2);

--- Increased requirements for hose assembly (see 3.1,3.3.2,3.4,3.5,4.1,4.3.2,4.4,4.5,5.1,5.3.2,5.4,5.5,6.1, 6.3.2,6.4,6.5);

--- Increased f), (see 3.5,4.5,5.5,6.5) in the test report.

This standard uses the translation method identical with ISO 4023:2009 "Steam rubber hoses and hose assemblies - Test methods." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- HG/T 3036-2009 saturated steam rubber hose and hose assemblies - Specification (ISO 6134:2005, IDT) 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.

1 Scope

This standard specifies the sample hose or hose assemblies pass into saturated steam to simulate the conditions of use four test methods. which is.

--- A Method. Vertical gantry law;

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--- B method. horizontal gantry law;

--- C Method. vertical mounting Flexing test method;

--- D Method. Horizontal mounting Flexing Test.

Note: it should be equipped with all necessary safety equipment to ensure operators have safe working conditions.

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.

Saturated steam ISO 6134 Rubber hoses and hose assemblies - Specification (Rubberhosesandhoseassembliesforsat-uratedsteam -Specification)

3 A method. vertical gantry law

3.1 Principle

Connect a hose or hose assemblies mounted vertically, through saturated steam.

Note: Each other type of hose or pressure steam temperature and the time of exposure Refer to ISO 6134. Relevant product standards are usually given for checking soft Failure of the physical properties of the tube, as well as changes in these properties. The physical properties of tensile strength normally specified burst strength, the inner liner and the outer cover and pull Elongation at break and adhesion strength between the layers and the like. Appearance evaluation test criterion may also be provided, for example, enhance the rupture layer, cover layer deep cracks Degree and inner liner pitting or bubbles. Hose contact with steam until the time of failure can be defined as the test criterion.

For hose assemblies, in addition to the hose and the same test, the need to record whether there is damage or leaks between the tube and fitting.

3.2 Equipment

1, the installation will be placed as shown in two upper and lower manifold with appropriate connectors, the distance between the two should be exactly perpendicular to the sample form State mounted between two connectors without distortion. The predetermined pressure dry saturated steam supply pipe to the manifold through the sample, the manifold is equipped with Pressure regulating valves, instrumentation and recording the corresponding indicating instrument. Lower manifold and steam trap connection. Each opening of the manifold are equipped with Off valve.

If for security reasons, but the device is enclosed in a housing, then, in such housing from

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the outer surface of the hose was measured at 25mm Ambient room temperature should not exceed 11 °C.

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