

Inspection-No.: 257172

REPORT OF THIRD PARTY INSPECTION

Client: KVC CO., LTD.

46-2, Nishinaka-cho, Nishinosho, Kisshoin,
Minami-ku, Kyoto 601-8303, Japan

Contact Person: Mr. Hitoshi Hadeyama

Manufacturer: KVC CO., LTD.

46-2, Nishinaka-cho, Nishinosho, Kisshoin,
Minami-ku, Kyoto 601-8303, Japan

Inspection Place: Wenzhou Rock Valve Inspection and Testing Co., Ltd.
Heyi Industrial Zone, Oubei, Yongjia, Zhejiang, P.R.China

Contact Person: Mr. Hitoshi Hadeyama

Inspection Date: 2018-06-11~12

Inspector: Chen Guilin

Quality System Status: N.A

Order Number: 7482190929



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The test results refer exclusively
to the units under test.



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Nature Of Inspection: Review relevant documents
Witness relevant tests

This is to report that we, TÜV SÜD Industrie Service GmbH Shanghai Office on June 11-12, 2018 at the request of KVC CO., LTD. conducted the following inspection:

1. Review Relevant Documents

1.1 Valve Assembly Drawings

Valve assembly drawing on tested valve with type 2"x11/2" CL600 forged steel floating ball valve and assembly drawing no. CR946-RF Rev.08 has been supplied by KVC CO., LTD. and it has been reviewed by TÜV SÜD inspector. The drawing can be acceptable. Detail information on valve can be seen in the annex.

1.2 Test Procedure

Test procedure has been chosen according to MESC SPE 77/300 June 2007 PROCEDURE AND TECHNICAL SPECIFICATION FOR TYPE ACCEPTABLE TESTING (TAT) OF INDUSTRIAL VALVES, paragraph 7 High temperature TAT (excluding clause 7.3) has been chosen for test, Detail information can be seen in the standard.

1.3 Valve assembly and pressure test record

Valve assembly and pressure test record with no. KTR331179 has also been supplied by KVC CO., LTD. and it has been reviewed by TÜV SÜD inspector. The documents can be acceptable. Detail information on valves can be seen in the annex.

2 Witness relevant tests

2.1 General Information

KVC CO., LTD. commissioned us to witness test according to MESC SPE 77/300 June 2007 PROCEDURE AND TECHNICAL SPECIFICATION FOR TYPE ACCEPTABLE TESTING (TAT) OF INDUSTRIAL VALVES to verify whether the test result can meet the specific requirements specified in the test procedure.

Detail information on tested valves can be seen as follows:

Item	Product description	Valve Size	Valve Class	Serial Number
1	2"x11/2" CL600 forged steel floating ball valve	2"x11/2"	Class600	ROCKP201803005

2.2 Test Condition:

Testing principles are according to MESC SPE 77/300 June 2007 PROCEDURE AND TECHNICAL SPECIFICATION FOR TYPE ACCEPTABLE TESTING (TAT) OF INDUSTRIAL VALVES and manufacturer's requirements. The key test conditions and acceptable have been specified according to the following information.

Test Fluid	Nitrogen
Test Temperature(°C)	580°C
Test Orientation	Horizontal
Seat Leakage Rate	ISO5208 Rate E
Fugitive Emission Class	Not applicable

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Detail information can be seen in the test reports with test report No. ROCKB201803005.

3. Test Result:

Upon request by KVC CO., LTD., the inspector of TÜV SÜD Industrie Service GmbH Shanghai Office has witnessed the tests.

Hereby, it is certified that the tested valve of the above mentioned company has been tested and the test results are acceptable according to above mentioned specification. Details could be taken from the associated test reports with test report No. ROCKB201803005.

Annex:

Annex 1: Valve assembly drawing with assembly drawing No. CR946-RF Rev.08;

Annex 2: Pressure test record with no. KTR331179;

Annex 3: Valve test report with test report No. ROCKB201803005.

Chen
Guilin



Inspected by: Chen Guilin

Date of issue: August 21, 2018

