

TEST REPORT

No. : SM110100695

Date : Jan. 25,2011

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EASTMAN IND, LTD. HANGZHOU
FUXING ROAD, NO. 565, HANGZHOU

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : CASTOR WHEEL
Sample Number : SM110100695
Product Specification : 6"
Test Required : Proof load test, Loading test
Date of Receipt : Jan. 17,2011
Test Period : Jan. 17,2011 to Jan. 25,2011

Test result(s) : For further details, please refer to the following page(s)
***** To be continued*****

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd.

Kelly Shi
Authorized signatory

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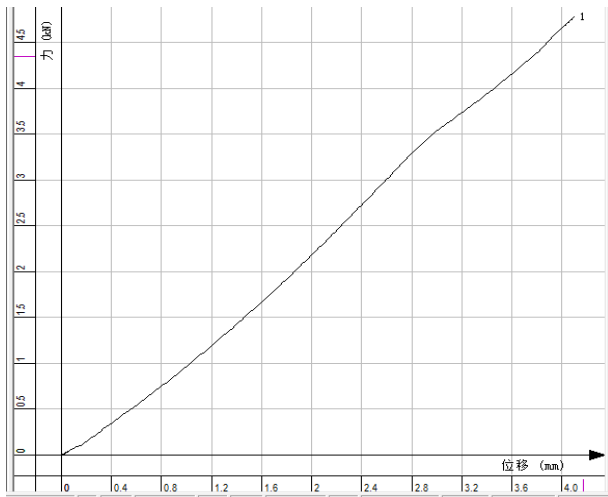
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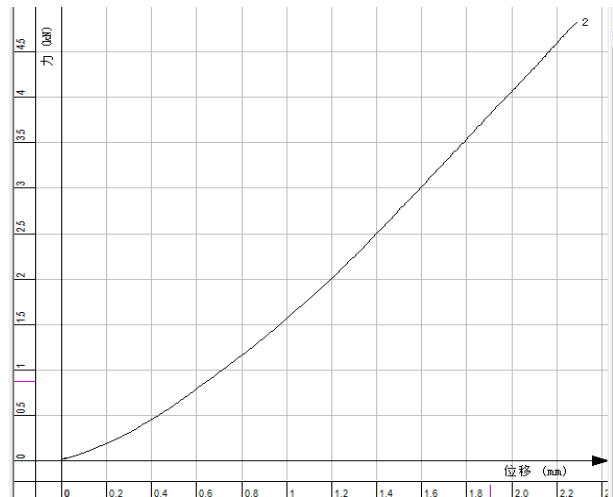
1. Proof load test:

Test method: Per client's requirement, assemble the sample(s) into testing machine (Fig.1 to Fig.4), apply 500kgf (safety load) to the sample(s), and then release force. After test, observe deformation and damage on the sample(s).

Sample	Safety load (kgf)	Result
1#	500	No damage
2#	500	No damage
3#	500	No damage
4#	500	No damage



Force-displacement curve for proof load test
(Sample 1#)



Force-displacement curve for proof load test
(Sample 2#)

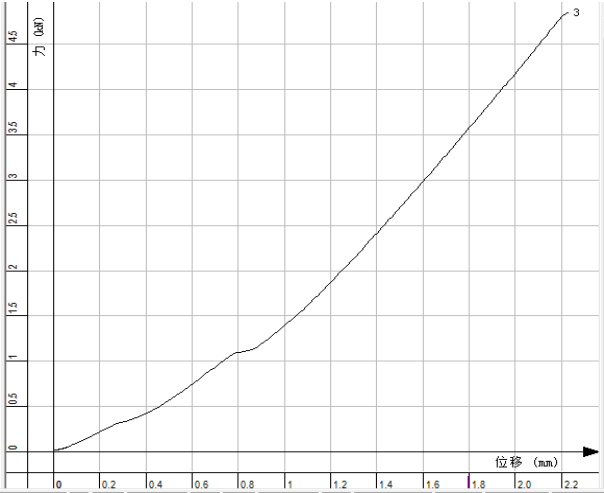
***** To be continued*****

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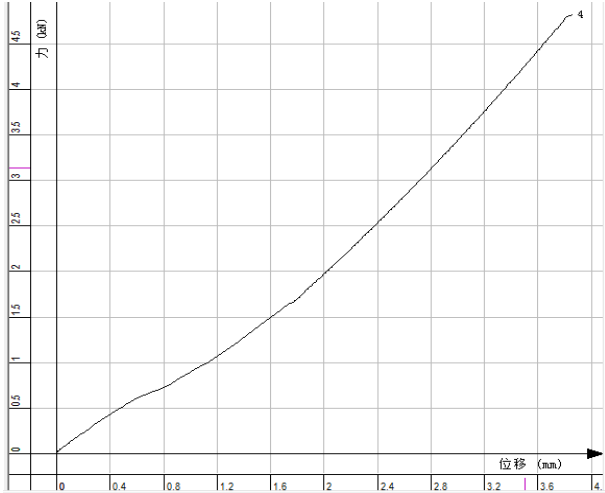
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Force-displacement curve for proof load test
(Sample 3#)



Force-displacement curve for proof load test
(Sample 4#)

***** To be continued*****

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Fig. 1 Before test(Sample 1#)

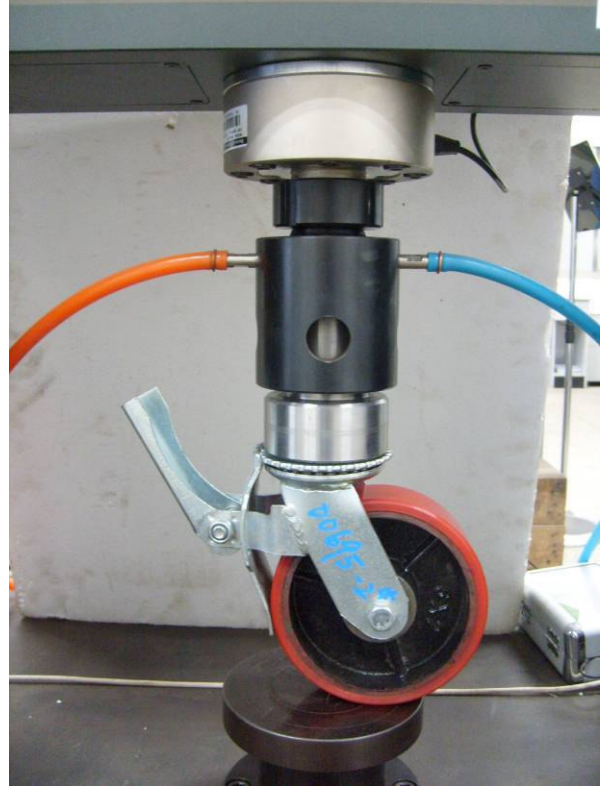


Fig. 2 Before test(Sample 2#)

***** To be continued*****

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Fig. 3 Before test(Sample 3#)



Fig. 4 Before test(Sample 4#)

2. Loading test:

Test method: Per client's requirement, assemble the samples(s) into testing machine (Fig.5 to Fig.8), apply load to the sample(s) until the sample(s) broken, record the breaking force and the breaking position.

Sample	Breaking force (kgf)	Breaking position
1#	1631	See Fig.5 and no damage on rubber
2#	1873	See Fig.6 and no damage on rubber
3#	1548	See Fig.7 and no damage on rubber
4#	1778	See Fig.8 and no damage on rubber

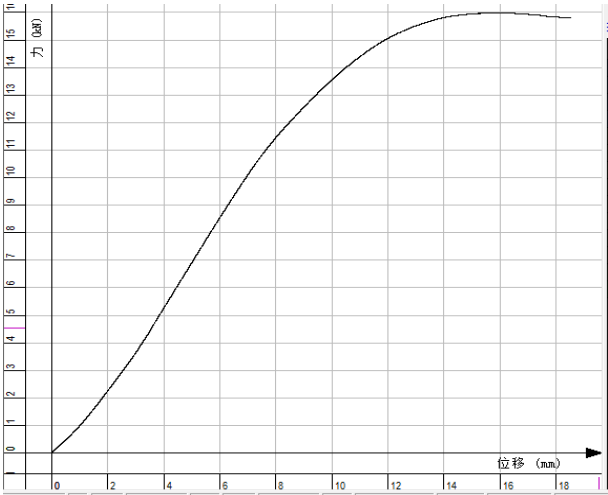
***** To be continued*****

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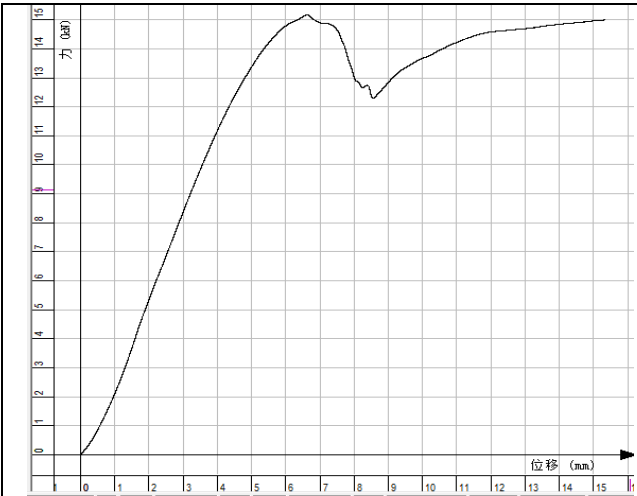
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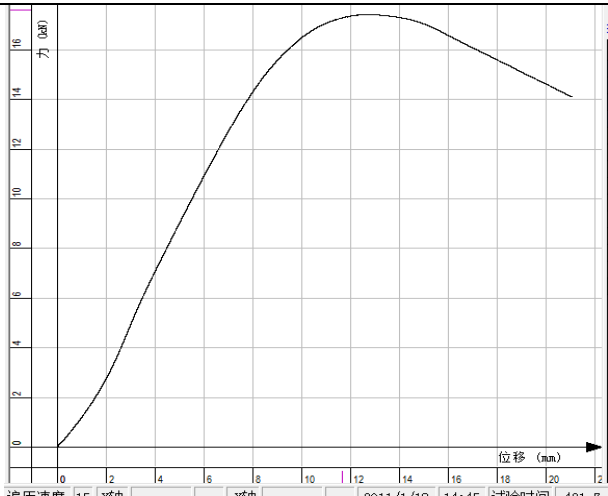
Force-displacement curve for loading test
(Sample 1#)



Force-displacement curve for loading test
(Sample 2#)



Force-displacement curve for loading test
(Sample 3#)



Force-displacement curve for loading test
(Sample 4#)

***** To be continued*****

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Fig. 5 After loading test (Sample 1#)



Fig. 6 After loading test (Sample 2#)



Fig. 7 After loading test (Sample 3#)



Fig. 8 After loading test (Sample 4#)

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Sample photo:



***** End of report *****