

TEST REPORT

No. : SZML110402443

Date : May 05, 2011

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

Sample Name : ALUMINUM PROP TYPE AMP480
 SGS Ref No. : GZMR110408400
 Manufacturer :
 Clients name : TO WHOM IT MAY CONCERN
 Sample information : CODE NO.3094800 SAMPLE RANDOMLY SLELECTED
 Test Performed : Selected test(s) as requested by applicant (verification of allowable prop load)
 Date of Receipt : Apr 29, 2011
 Test Period : Apr 29, 2011 to May 05, 2011

Test result(s) : Please refer to the following page(s)

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

Signed for and on behalf of
 SGS-CSTC Ltd.

Ramber

Ramber Li
 Engineer

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Sample description: Aluminum Prop Type AMP480

1. Test item: Loading test
2. Test method: With reference to Australian standardTM AS 3610-1995 , Formwork concrete
3. Test purpose: Verify the strength of prop
4. Test procedure:
 - 4.1 Fix the sample in the fixture manufactured by client (see test photo).
 - 4.2 Apply the compression force in the axial direction to the specified load.
 - 4.3 Check the inner and outer tubes whether free from splits, cracks, visible deformation, rust and dents or not and measure the eccentricity e_l , e_T and e_o .
 - 4.4 Then pull out the inner tube to the specified length and repeat above procedure until complete all the test points.
5. Test equipment:

Equipment name	Equipment No.	Model No.	Due date
Pluck instrument	GZMR-MT-E058	SW-300	2012.1.3

6. Test results:

6.1 Outer Tube At Bottom

Extended height, L_T (m)	Length of outer tube, L_o (m)	Length of inner tube, L_i (m)	Allowable loading, (kN)	Test loading force, (kN)	Result	Out of straightness, (mm)						Conclusion
						e_l	Req. Max.	e_T	Req. Max.	e_o	Req Max	
2.60	2.60	0	85	170	Ok	—	—	3.0	8.7	—	—	Pass
3.60	2.60	1.00	47	94	Ok	3.0	3.3	11.0	12.0	2.0	8.7	Pass
4.80	2.60	2.20	25	50	Ok	5.0	7.3	7.0	16.0	3.0	8.7	Pass

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

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6.2 Inner Tube At Bottom

Extended height, L_T (m)	Length of outer tube, L_O (m)	Length of inner tube, L_I (m)	Allowable loading, (kN)	Test loading force, (kN)	Result	Out of straightness, (mm)						Conclusion
						e_l	Req. Max.	e_T	Req. Max.	e_o	Req. Max	
2.60	2.60	0	71	142	Ok	—	—	5.0	8.7	—	—	Pass
3.60	2.60	1.00	62	124	Ok	1.0	3.3	11.0	12.0	5.0	8.7	Pass
4.80	2.60	2.20	27	54	Ok	3.0	7.3	9.0	16.0	6.0	8.7	Pass

Note: 1.Ok means inner and outer tubes and all components free from splits, cracks, visible deformation, rust and dents.

2. Acceptable eccentricity: $e_o \leq L_O/300$, $e_l \leq L_I/300$, $e_T \leq L_T/300$

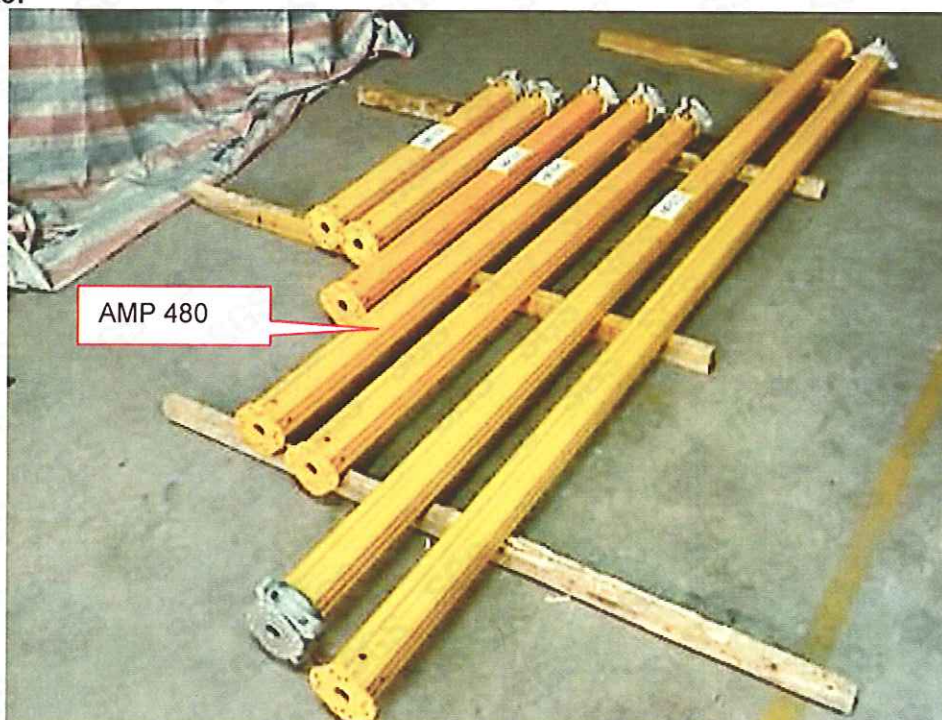
Where: L_O =Length of outer tube, L_I =Length of inner tube, L_T =Overall length, mm

3. Safety factor: 2

4. The loading test were carried out with using client's specialized fixture approval by SGS on site.

5. Instrument calibration approval by SGS.

Sample photo:



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

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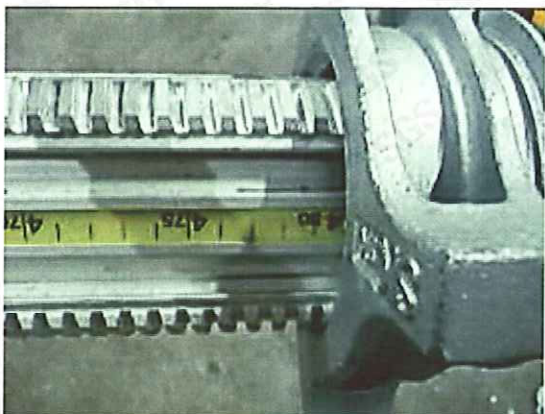
Test photo:



Fix



Load value



Scale



At 4.80m

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

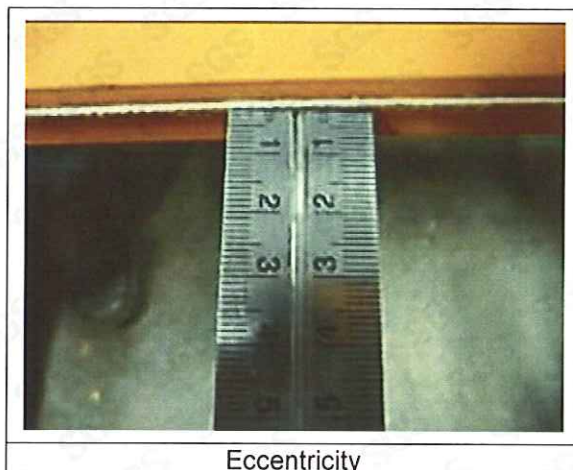
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Eccentricity

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

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