

CST Test Log

Project: 3551 Customer: WHOI Low Tension: 200 Rate: —
 Sample: 2x13 Cond beam Operator: HAT Max Tension: 5,000

Date/Time	Cycles	Tension, lb	Xhead Position, in	Torque, In-lb	Pressure, psi	DCR, ohms	Comments
16 Nov 11							Fixed End
1316	0	200	0	0	0	38.4	Start DAS File #1
1324	1	1,000	33.25	-50	-2	38.4	Measurement
1331	1	2,000	57.30	50	79	38.4	Measurement
1338	1	3,000	73.3	135	204	38.5	Measurement
1343	1	4,000	89.0	100	320	38.53	Measurement
1349	1	5,000	100.0	165	420	38.5	Measurement
1352	1	✓	105	165	424	38.5	
1355	1	4,000	103.3	130	366	38.5	Measurement
1402	1	3,000	100	90	287	38.5	Measurement
1411	1	2,000	94.3	60	191	38.5	Measurement
1418	1	1,000	81	20	71	38.5	Measurement
1426	1	200	18	-30	-5	38.5	Measurement

Free Chain on Swivel

CST Test Log

Project: 3551

Customer: WHOI

Low Tension: 200

Rate: —

Sample: 2x13 cond band

Operator: HAH

Max Tension: 5,000

Date/ Time	Cycles	Tension, lb	Xhead Position, in	Rotation, deg	Pressure, psi	DCR, ohms	Comments
16 NOV 11							
1434	1	200	15.8	1.3	-5	38.5	Free End
1437	2	1,000	61.5	10.3	11	38.5	measurement
1445	2	2,000	82.6	205	153	38.5	measurement
1450	2	3,000	93	343	264	38.5	measurement
1455	2	4,000	101	436	361	38.5	measurement
1501	2	5,000	109	634	454	38.6	measurement
1508	2	4,000	110	692	391	38.6	measurement
1514	2	3,000	106	671	308	38.6	measurement
1518	2	2,000	101	596	206	38.6	measurement
1522	2	1,000	89	497	81	38.6	measurement
1532	2	200	22	268	-5	38.6	measurement

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CST Test Log

Project: 3551

Customer: WHOI

Low Tension: 500

Rate: ~14.2/π

Sample: 2x13

Operator: HAH

Max Tension: 3,000

Date/ Time	Cycles	Tension, lb	Xhead Position, in	Rotation, deg	Pressure, psi	DCR, ohms	Comments
16 Nov 11							
1538	2	500	36.70	248	-5	38.6	Start DAS File #2
1556	65	500/3K	72/99	480/540	5/290	38.7	13 sec/cycle
1630	226	✓	75/100	510/575	5/285	38.8	OK
1745	600	500/3K	75/102	-/-	✓/✓	39.0	CHG RPL PERIOD TO 52
—	TO AVOID ALIASING. ADJ LOW LIM TO 500 LBS. OK.						
17 Nov 11							
757	4175	500/3K	87/116	695/790	0/103	38/OPEN	DCR open @ 3,000 lbs
808	4218	3K	116.7	790	76	OPEN	Troubleshoot DCR
826	✓	✓	✓	✓	✓	35.7	Wired out outer yellow, inner black on bundle #2
928	4490	500	85.7	720	0	35.7	Stopped
	Cap measurements @ 3,000 lbs						
	Cap @ Tension End = 4.60 nF						
	Cap @ Swivel End = 4.57 nF						
							> center open

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Project: 3551 Customer: WHOI Low Tension: 200 Rate: —
 Sample: 2x13 cond band Operator: HAH Max Tension: 5,000

Date/ Time	Cycles	Tension, lb	Xhead Position, in	Rotation, deg	Pressure, psi	DCR, ohms	Comments
17 Nov 11							
950	4490	200	55.2	+630°	-2	35.6	LEN MEAS.
1032	✓	1000	93.4	+660°	4	✓	✓
1037	✓	2K	108.4	+705	18	✓	✓
1041	✓	3K	116.2	+750	36	35.7	✓
1046	✓	4K	122.0	+900	64	35.7	✓
1051	✓	5K	128	+1020	101	35.6	✓
1057	✓	4K	127.5	+1045	98	35.6	✓
1104	✓	3K	124	+1045	78	35.6	✓
1111	✓	2K	118	+1000	38	35.6	✓
1115	✓	1K	107.5	+975	5	35.6	✓ Noticed water on Floor
1130	✓	200	57	620	0	35.6	✓
1138	✓	1K	94	620	2	35.6	✓
1143	✓	2K	111	705	16	35.6	✓
1147	✓	3K	119	880	39	35.6	✓
1151	✓	4K	125	1015	69	35.6	✓
1155	✓	5K	129	1074	89	OPEN	✓
1159	✓	4K	128.5	1089	86	OPEN	✓
1204	✓	3K	125	1077	69	35.6	✓

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Project: 3551

Customer: WHOI

Low Tension: 200

Rate:

Sample: 2x13 cond band

Operator: HALT

Max Tension: 5,000

[illegible]

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3551-whoivimcst-test log.doc

14 November 2011

Length & Rotation Log

Project: 3551

Sample: 2x13 cond band

Date: 16 Nov 11

Customer: W/HOI

Test: CST

[illegible]

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15 November 2011

Date: 16 Nov 11

Test: CST

[illegible]

Length & Rotation Log

Project: 3551

Sample: 2x13 cond bend

Date: 16 Nov 11

Customer: W H O I

Test: CST

[illegible]

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15 November 2011

Sample: 2x13 cond band

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Sample: 2x13 cond band

Date: 17 NOV 11

Customer: WHOI

Test: CST

Flange

Project: 3551 Sample: 2x13 cond band Date: 17 Nov 11
Customer: WHITE Test: CST

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Length & Rotation Log

Project: 3551

Sample: 2x13 cond bend

Date: 17 Nov 11

Customer: WHOI

Test: CST

[illegible]

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15 November 2011