

UNOLS Wire Database

Contact information: unolswirepool@who.edu
Wire Pool Manager: Rick Trask 508-289-2395
Database Administrator: Ruthanne Molyneaux 508-289-3530

UNOLS Wire Database

WHOI - Christopher Griner

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Break test on NSF-09-C152

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Break test request

Institution name: Woods Hole
Oceanographic
Institution

Date requested: Aug 31,
2012

Vessel name: Atlantis

Date sample received: Sep 10,
2012

Requested by: Christopher
Griner

Wire length (m): 9911

Phone: 508-289-3587

Wire condition: Good

Email: cgriner@who.edu

Current status: InUse

Wire size and type: 0.322 EM

Manufacturer's: 10000.0
NBL:

NSF Reel No.: NSF-09-C152

Marker length (m):

Manufacturer's Reel No.: Q6772-C3

Length of sample provided: 10

Termination type: None - It was
removed on ship
before I got it.

Reason for testing: Periodic
testing

Request notes: I am going to try and gather some tension data for this. The cable was used during the Atlantis CLIVAR cruises and was subjected to some heavy CTD loading and weights especially in heavy seas. Matt Hawkins was aware that this could become an issue for that cruise. The ship and techs say that the cable has 2 individual armor breaks at 1600 and 1800 meter ranges. They were also reporting that close to the termination end it (the armor) was not always laying tight.

Sample location (i.e., working end, core end at winch drum, etc.):
Working end. Actual working end of this sample was not marked. But it should be possible to tell from the Marker Tape Number.

UNOLS required documents sent: no response

Break test on NSF-09-C152

Break test location: UNOLS Wire Pool Log test number:

Test operator: Barbara Callahan Work order number: 12188

Test requested by: Christopher
Griner

Test date: Sep-11-2012

Date sample received: Sep 10,
2012

Manufacturer's marker tape number (if any):

Manufacturer's nominal breaking load (lbs): 10000.0

Tested breaking load (lbs): 12590

Assigned breaking load (lbs): 10000

Termination 1: PouredSocketTermination

Termination 2: Wrapped around dead man

UNOLS required documents: **have not been received**Mid span break. A 5-ton swivel
was used on one end. Poured
socket termination done by

Break test notes: vessel.

Modified by: Barbara Callahan Modified date: Sep-11-2012

No break test images available [View Break Test Report](#)

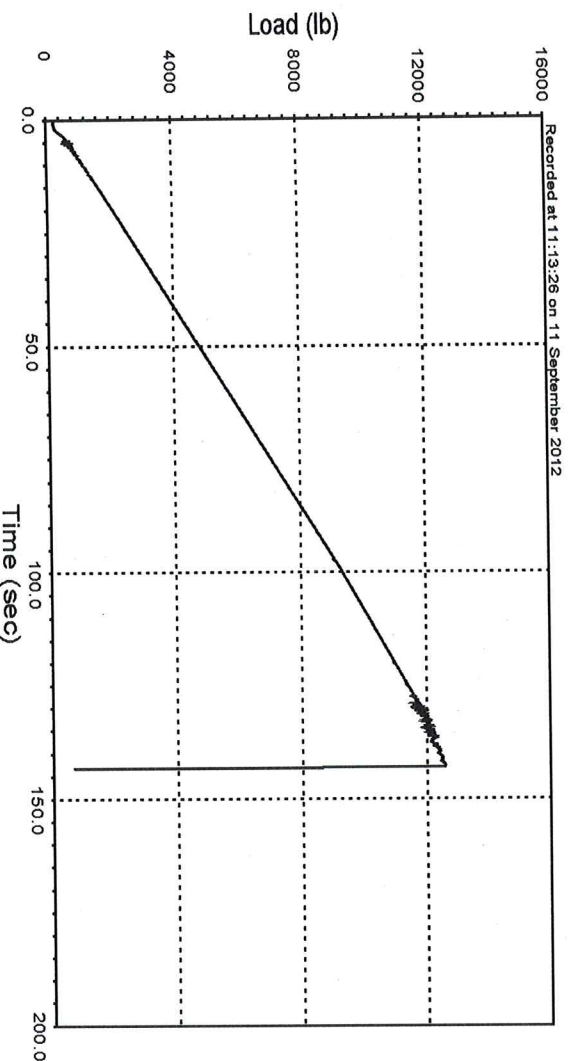
Certificate of Testing

Woods Hole Oceanographic Institution Mooring Fabrication and Field Support

Woods Hole, MA 02543

Contact: Rick Trask

508 289-2395 rtrask@whoi.edu



Date of Test: 9/11/2012

Specimen Identifier:

Work Order No.: NSF-09-C152
Project Name: 12188
Material Type/Size: Atlantis Wire Break Test
Length of Sample: 322
Termination No. 1: 7m
Termination No. 2: Poured Socket Termination
Operator: 5-ton swivel used w/termination
Barbara Callahan
Geometry: None

Analysis Results

Maximum Load
Load

12590 lb

Break Test Results - Mid span break.
Poured socket termination done by vessel.