DAYTON T. BROWN INC.
Founded 1950

1175 CHURCH STREET • BOHEMIA, LONG ISLAND, NEW YORK 11716
AREA CODE 631 589-6300

TEST REPORT

Test Report No.: 415884-01-04-R17-0781 24 August 2017
Job No.: 415884-01-000

CLIENT Lifesaving Systems Corp.
220 Elsberry Road
Apollo Beach, FL 33572
USA

SUBJECT Resistance to UV Light and Breaking Strength Testing of Mil-Spec Nylon Webbing

SUMMARY

The test results listed herein show that the submitted representative samples meet the cited test requirements of AS/NZS 189.1 Appendix A and the Lifesaving Systems Corp. test plan for the type of webbing tested.

SAMPLE DESCRIPTION

Material:	Nylon - Type X
Color:	Black
Specification No.:	Mil-W-4088K
Manufacturer:	Southern Weaving Company

Material:	Nylon - Type XIII
Color:	Black
Specification No.:	Mil-W-4088K
Manufacturer:	Southern Weaving Company

GENERAL

The submitted specimens were inspected upon receipt at Dayton T. Brown, Inc. and found to be undamaged.

The specimens were received on 12 August 2017.

The webbing testing was conducted from 14 through 23 August 2017.

A2LA ACCREDITED
Testing Lab
Cert # 0767.01, 0767.02, 0767.03

GENERAL – (Continued)

The specimens were conditioned for at least 24 hours in an atmosphere having relative humidity between 48 and 67 percent and a temperature of 23 ±2°C.

The test results contained herein pertain only to the specimens listed in this report.

Dayton T. Brown, Inc. is not involved in any production quality inspections. All tests are based on the samples that are selected by the manufacturer and provided to Dayton T. Brown, Inc. without any Dayton T. Brown, Inc. involvement in said selection.

Dayton T. Brown, Inc. performs testing to AS/NZS 189.1 Appendix A and the Lifesaving Systems Corp. test plan under laboratory conditions. These tests do not measure and are not intended to measure all possible applications or installations of the seat belt assembly or components, except as so instructed by the manufacturer as to a particular configuration to be tested. In that event, the report will describe the particular application tested in detail. Dayton T. Brown, Inc. is not responsible for actual performance of any seat belt assembly, seat belt retractor, or individual seat belt component as installed in any vehicle.

This report shall not be reproduced, except in full, without the written approval of Dayton T. Brown, Inc.

Very truly yours,

DAYTON T. BROWN, INC.



J. Benincasa
Test Technician



T. Zimoulis
Test Engineer

S4.2 REQUIREMENTS FOR WEBBING Type X

	Test and Units	Specimen Minimum / Mean Determined	Required
a.	Unexposed Specimen		
	Breaking Strength, N	45,496 / 46,389	15,000 N min.
b.	Exposed Specimen		
	Breaking strength after light exposure, N	45,192 / 45,245	12,000 N min. or
	Percent retention after light	97.5	70% min. of original strength whichever is lesser.

S4.2 REQUIREMENTS FOR WEBBING Type XIII

	Test and Units	Specimen Minimum / Mean Determined	Required
a.	Unexposed Specimen		
	Breaking Strength, N	39,284 / 39,371	15,000 N min.
b.	Exposed Specimen		
	Breaking strength after light exposure, N	33,379 / 34,408	12,000 N min. or
	Percent retention after light	87.4	70% min. of original strength whichever is lesser.

DATA Type X

WEBBING BREAKING STRENGTH

Specimen	Original (N)
W1	46,908
W2	46,764
W3	45,496
Minimum	45,496
Mean	46,389

Specimen	After Light (N)
W7	45,192
W8	45,250
W9	45,292
Minimum	45,192
Mean	45,245

Test room ambient conditions: 22.2ºC and 49.9%RH

DATA Type XIII

WEBBING BREAKING STRENGTH

Specimen	Original (N)
W1	39,376
W2	39,284
W3	39,452
Minimum	39,284
Mean	39,371

Specimen	After Light (N)
W7	33,379
W8	35,520
W9	34,325
Minimum	33,379
Mean	34,408

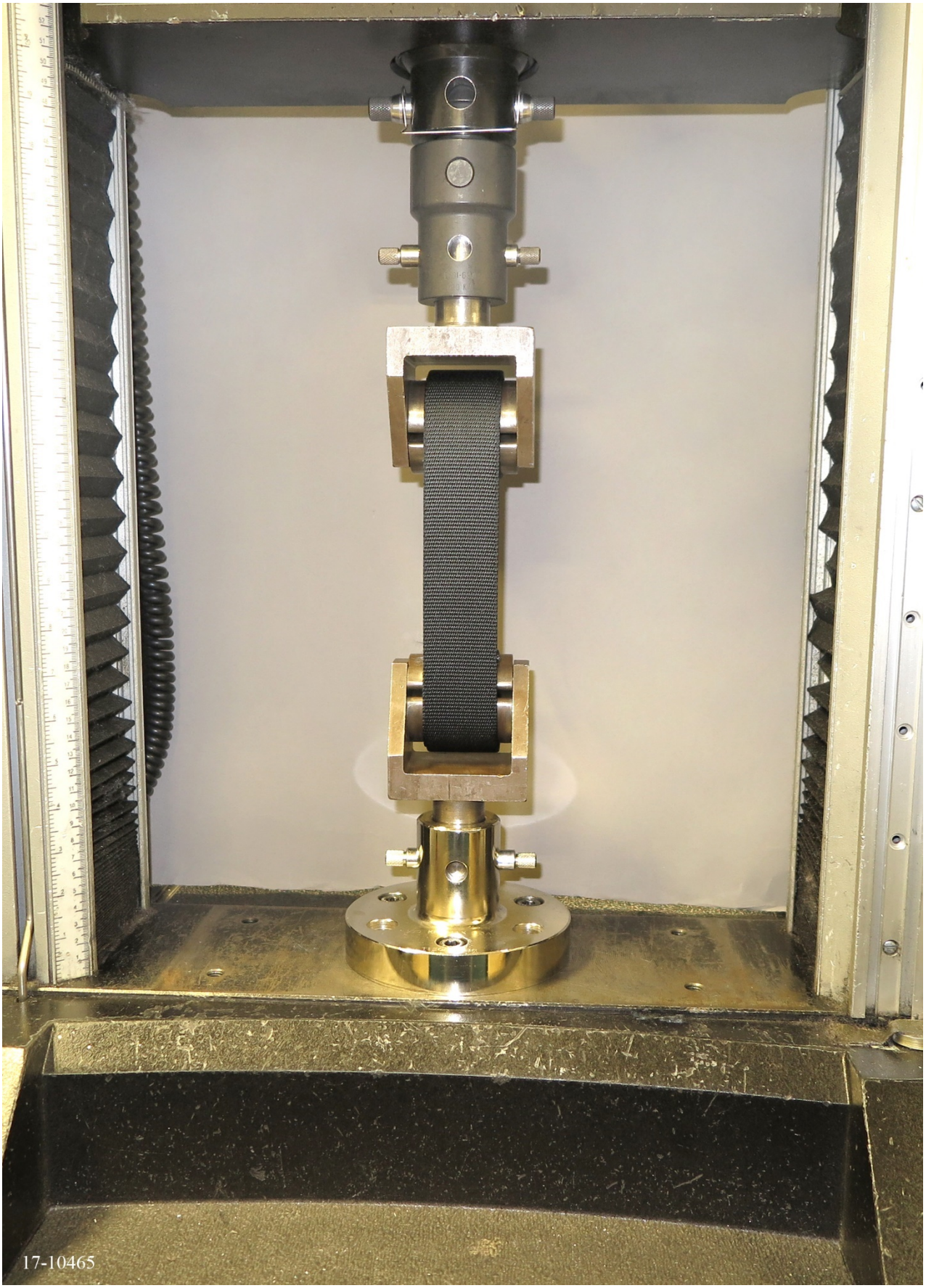
Test room ambient conditions: 22.3ºC and 50.3%RH

Test equipment utilized for the program reported herein was within its assigned interval of calibration.
Details are on file at Dayton T. Brown, Inc. and will be made available upon request.

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TEST: RESISTANCE TO UV LIGHT AND POST-TEST STRENGTH

ITEM	MANUFACTURER	MODEL	DTB NO.	ACCURACY	CAL DUE DATE	LAST CAL DATE
CONDITIONING ROOM	DAYTON T. BROWN	N/A	04S-001	-	N.C.R.	-
WEATHEROMETER	ATLAS	XW-WR	04S-010	-	N.C.R.	-
RECORDER, CHART TRULINE 1 CHANNEL	HONEYWELL	DR4500	12-38	± 0.7°F	09/03/2017	09/09/2016
LOGGER, RH AND TEMPERATURE	HART SCIENTIFIC	1620A	12-39	59 TO 95°F ± 0.75°F; 10 TO 70% RH	11/26/2017	12/01/2016
TESTER, UNIVERSAL TENSILE W/STATIC LOAD CELLS (2)	INSTRON	5569	29-2	± 1% of reading	07/22/2018	07/24/2017
AMMETER, AC 0-100	ATLAS	AW-91	29-9-2	± 2% of F.S.	12/31/2017	01/02/2017
MULTIMETER, DIGITAL	FLUKE	77 SERIES II	9-115	MFR	09/10/2017	09/12/2016

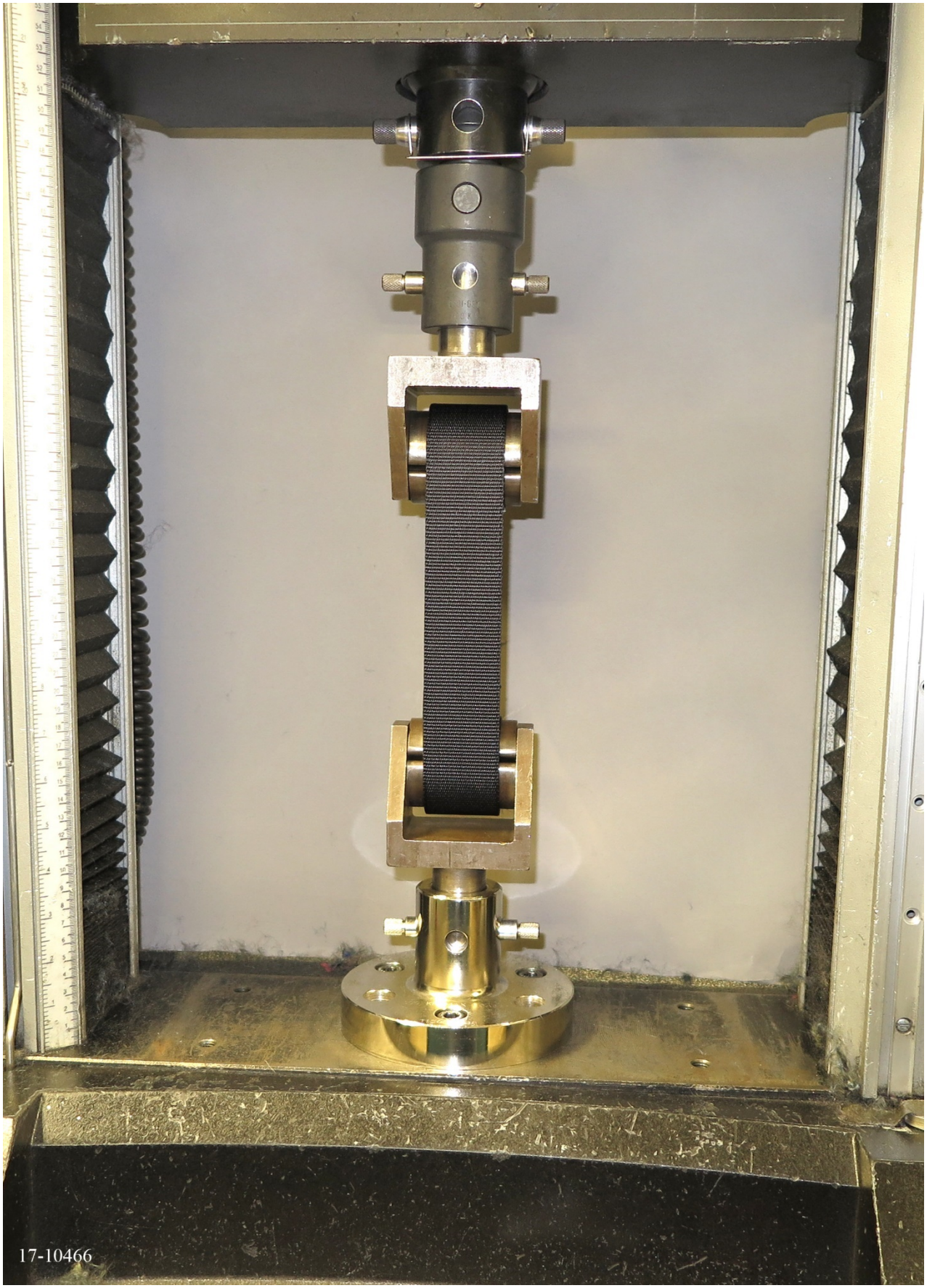


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TYPE - X WEBBING STRENGTH TEST SETUP

23 AUGUST 2017
FILE NO. 17-10465

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TYPE - XIII WEBBING STRENGTH TEST SETUP

23 AUGUST 2017
FILE NO. 17-10466

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JOB NO. 415884-01-000
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UV LIGHT TEST SETUP

14 AUGUST 2017
FILE NO. 17-10467

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