TEST REPORT NO. 55051

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TEST, ENGINEERING AND RESEARCH GROUP, SAN BERNARDINO

Pelican Products, Inc.
23215 Early Avenue
Receiving Dock B
Torrance, CA 90505

Our Job No.	T55051
Contract	—
Your P.O. No.	47893
Date	October 22, 2007

This report contains true and correct data obtained in the performance of the test program set forth in your purchase order. Test methods, results, and equipment used are recorded on these data sheets.

Where applicable, instrumentation used in obtaining this data has been calibrated using standards which are traceable to the National Institute of Standards and Technology.

SUMMARY:

One Case, Part No. 1610 and designated as W-1, was subjected to Basic Vibration, Loose Cargo Vibration and Shock Transit Drop Testing in accordance with MIL-STD-810F, Paragraphs 514.5 and 516.5.

One Case, Part No. 1610 and designated as W-2, was subjected to Immersion Testing in accordance with MIL-STD-810F, Paragraph 512.4.

Complete test details, including photos and equipment lists, and test results are contained in this report.

Test Date: 10/9/07-10/15/07

STATE OF CALIFORNIA
COUNTY OF SAN BERNARDINO } SS.

Phillip Knoll, being duly sworn, deposes and says: That the information contained in this report is the result of complete and carefully conducted tests and is to the best of his knowledge true and correct in all respects.

Phillip Knoll 10/22/07

SUBSCRIBED and sworn to before me this 22 day of Oct, 2007 by Phillip Knoll personally known to me or proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Carol A Garrity

CAROL A. GARRITY
Commission # 1472052
Notary Public - California
Riverside County
My Comm. Expires Mar 8, 2008

TEST OPERATIONS

TEST ENGINEER: Michael Bovard 10/22/07
M. Bovard

DEPT. MANAGER: Phillip Knoll 10/22/07
P. Knoll

QUALITY ASSURANCE: Gary Montgomery 10/22/07
G. Montgomery

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DATA SHEET

Customer Pelican Products, Inc. **Job No.** T55051

Date 10/8/2007

Specimen Case

RECEIVING INSPECTION

No. of Specimens Received: One (1)

Record identification information exactly as it appears on the tag or specimen:

Manufacturer: Pelican Products, Inc.

P/N's	**S/N's**
1610	W-1

How does identification information appear: (name plate, tag, painted, imprinted, etc.)

P/N on Name Plate, S/N Wyle designated

Examination: Visual, for evidence of damage, poor workmanship, or other defects, and completeness of identification.

Inspection Results: There was no visible evidence of damage to the specimen(s) unless otherwise noted below.

recinsp

Inspected By 10-18-07

Sheet No. 1 of 1

Approved Date 10/18/07

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DATA SHEET

Test Title Vibration - General Vibration

Customer Pelican Products, Inc. **Job No.** T55051

Specimen Case **Date Started** 10/9/2007

Part No. 1610 **Serial No.** W-1 **Date Comp.** 10/10/2007

Spec. MIL-STD-810F **Par.** 514.5 **Photo** Yes **Amb. Temp.** 77 ± 18°F

Test Requirements:

Test Freq.:	5 to 500 Hz
Test Level:	Noted Below (tolerance: +2.0, -1.0 dB)
Vibration Type:	Random
Test Duration:	3 hr per axis
Orientations:	3 orthogonal axes

Test Method:

Install the test item to the vibration test fixture in its normal orientation, and photograph the test setup. A response accelerometer is not required on the test item.

Perform the random vibration profile simulating U.S. Highway truck vibration exposure found in figure 514.5C-1 in MIL-STD-810F. This profile is shown in the table below and in Figure 514.5C-1 on the following page. Note that the test will be run from 5 to 500 Hz because of shaker table limitations. Perform the test for 3 hours in each of three orthogonal axes.

U. S. highway truck vibration exposures
figure 514.5C-1

vertical		transverse		longitudinal	
Hz	g^2/Hz	Hz	g^2/Hz	Hz	g^2/Hz
10	0.01500	10	0.00013	10	0.00650
40	0.01500	20	0.00065	20	0.00650
500	0.00015	30	0.00065	120	0.00020
1.04 g rms		78	0.00002	121	0.00300
		79	0.00019	200	0.00300
		120	0.00019	240	0.00150
		500	0.00001	340	0.00003
		0.204 g rms		500	0.00015
				0.740 g rms	

(continued)

Tested By 10-18-07

Engineer 10/18/07

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DATA SHEET

Test Title Vibration - General Vibration **Date** 10/10/2007

Customer Pelican Products, Inc. **Job No.** T55051

Specimen Case **Technician** I. Garcia IG 10-18-07

Part No. 1610 **Serial No.** W-1 **Engineer** M. Bovard MB 10/18/07

(continued)

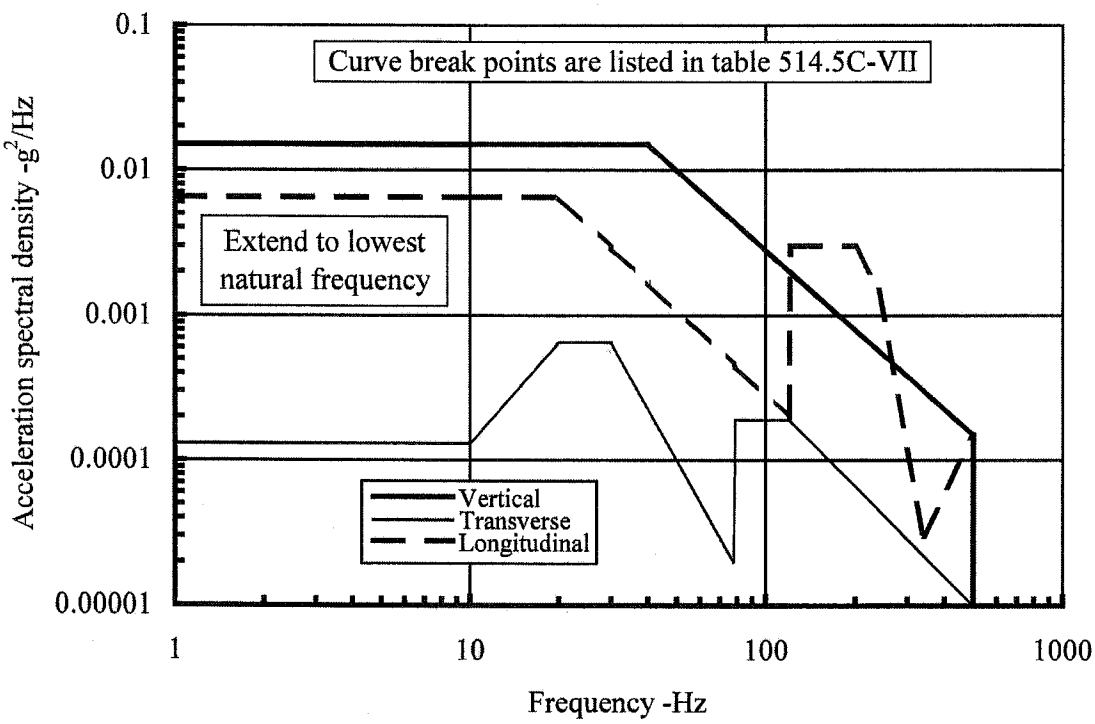

FIGURE 514.5C-1. U. S. highway truck vibration exposure.

Upon completion of the testing, perform a visual inspection, and document all results.

Test Results:

All testing was performed according to the Test Method and Requirements stated above and in the previous page. No visible evidence of damage to the test specimen was observed upon completion of testing in each axis.

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Photograph 1
General Vibration Test Setup – Longitudinal Direction

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Photograph 2
General Vibration Test Setup – Transverse Direction

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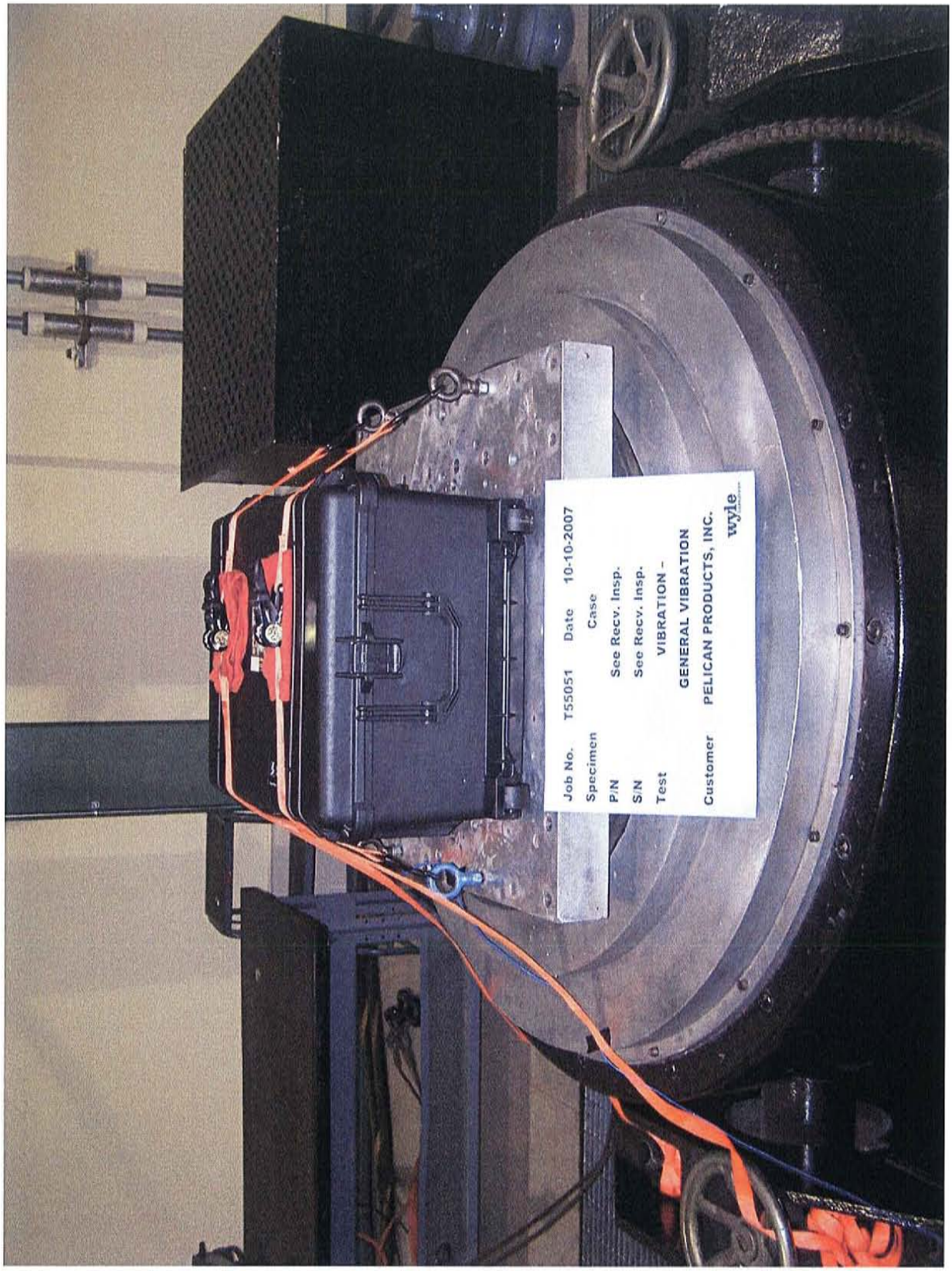

Photograph 3
General Vibration Test Setup – Vertical Direction

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Dynamics Section
Vibration Test Data Sheet

Job No. T55051

Customer Pelican Products, Inc. **Specimen** Case **P/N** 1610 **S/N** W-1

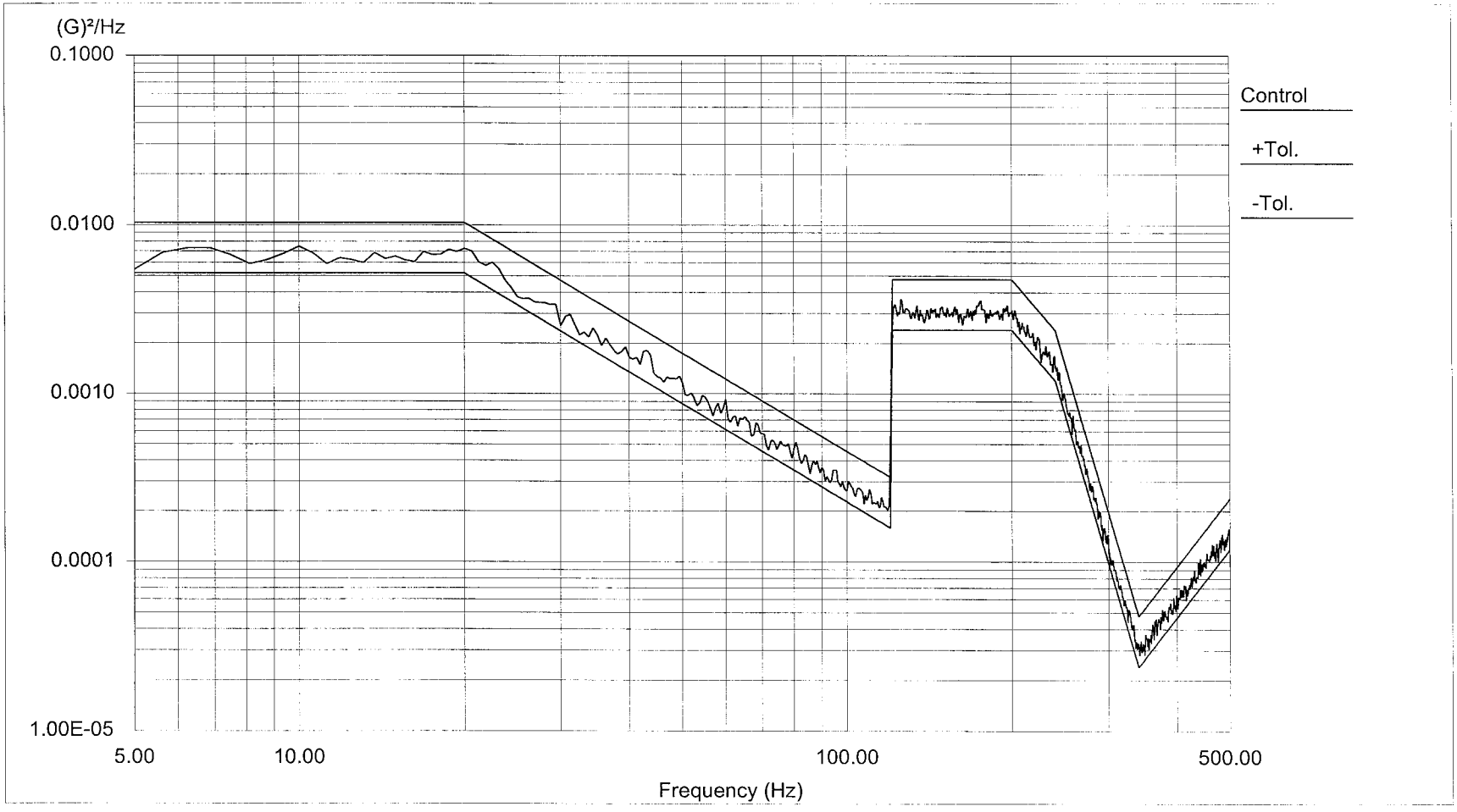
Date	Time	Axis	Temp. (° F)	Random			Test Time (Min.)	Comments
				Freq. (Hz)	PSD (G2/Hz)	Accel (Grms)		
2007	Noted	Noted	Amb.	5-500	---	Noted	180	Test Requirements: General Vibration
				5-40	.015			
				40-500	.00015	1.08	180	Vertical Axis
				5-10	.00013			
				10-20	.00065			
				20-30	.00065			
				30-78	.00002			
				78-79	.00019			
				79-120	.00019			
				120-500	.00001	0.205	180	Transverse Axis
				5-20	.0065			
				20-120	.0002			
				120-121	.0030			
				121-200	.0030			
				200-240	.0015			
				240-340	.00003			
				340-500	.00015	0.764	180	Longitudinal Axis
10/9	0812	Long.	Amb.	5-500	"	.765	180	Performed Vibration Test.
10/9	1159	Trans.	Amb.	5-500	"	.211	180	Performed Vibration Test.
10/10	0741	Vert.	Amb.	5-500	"	1.11	180	Performed Vibration Test.

random

SB – 603 – Rev. 8/06

Signed: 10-18-07

Pelican Products, Inc. JN-T55051 Case 1610
Longitudinal Axis Random Vibration
Project File Name: trans vib long.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Long Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 08-00-22

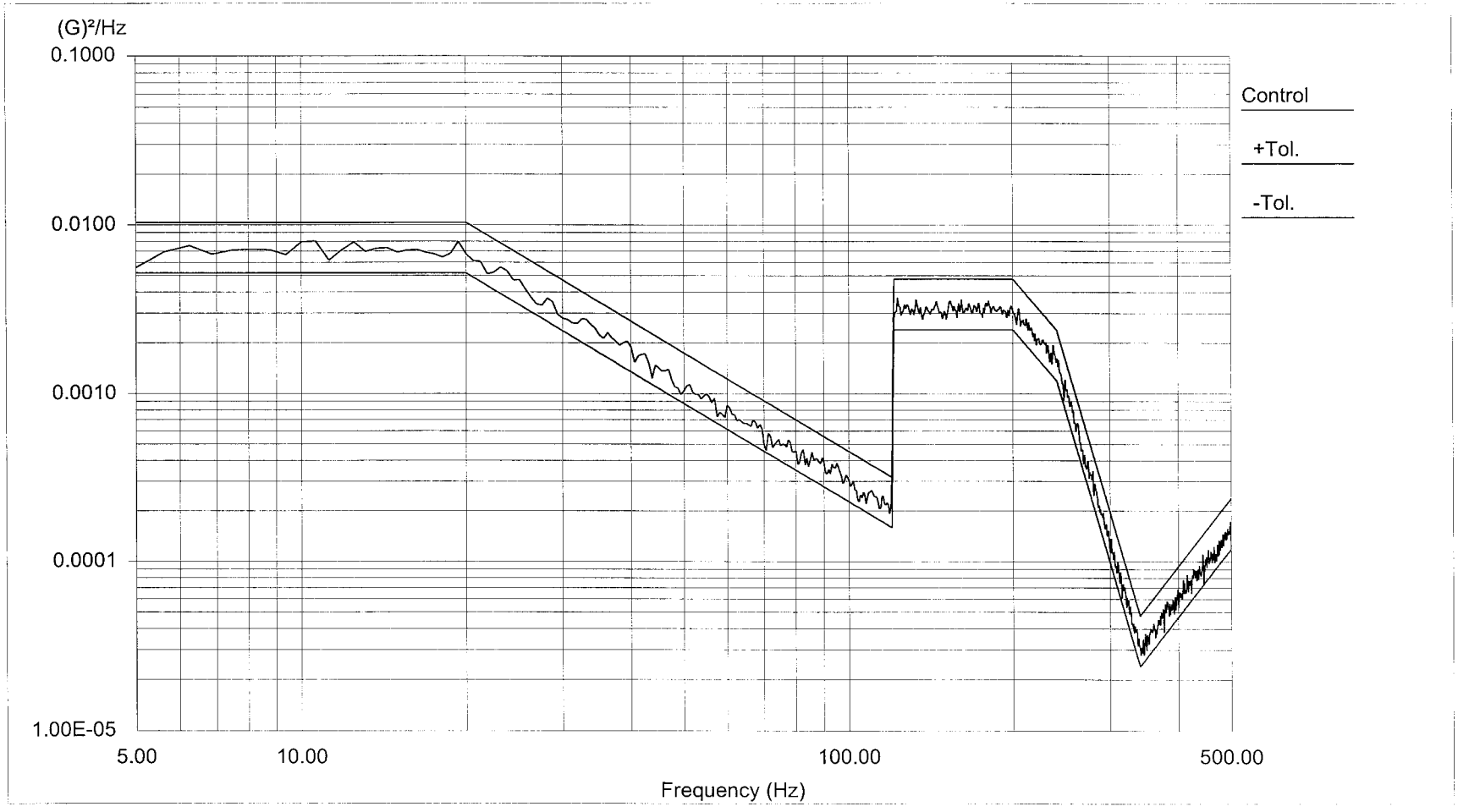


Level: 0 dB

Control RMS:	0.766517 G	Full Level Elapsed Time:	00:05:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.764034 G	Remaining Time:	02:54:57	DOF:	154	dF:	0.625000 Hz

Data saved at 08:16:50 AM, Tuesday, October 09, 2007 Report created at 11:12:18 AM, Tuesday, October 9, 2007

Pelican Products, Inc. JN-T55051 Case 1610
Longitudinal Axis Random Vibration
Project File Name: trans vib long.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Long Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 08-00-22



Level: 0.2 dB

Control RMS:	0.783334 G	Full Level Elapsed Time:	01:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.781831 G	Remaining Time:	01:59:58	DOF:	154	dF:	0.625000 Hz

Data saved at 09:11:49 AM, Tuesday, October 09, 2007 Report created at 11:12:19 AM, Tuesday, October 9, 2007

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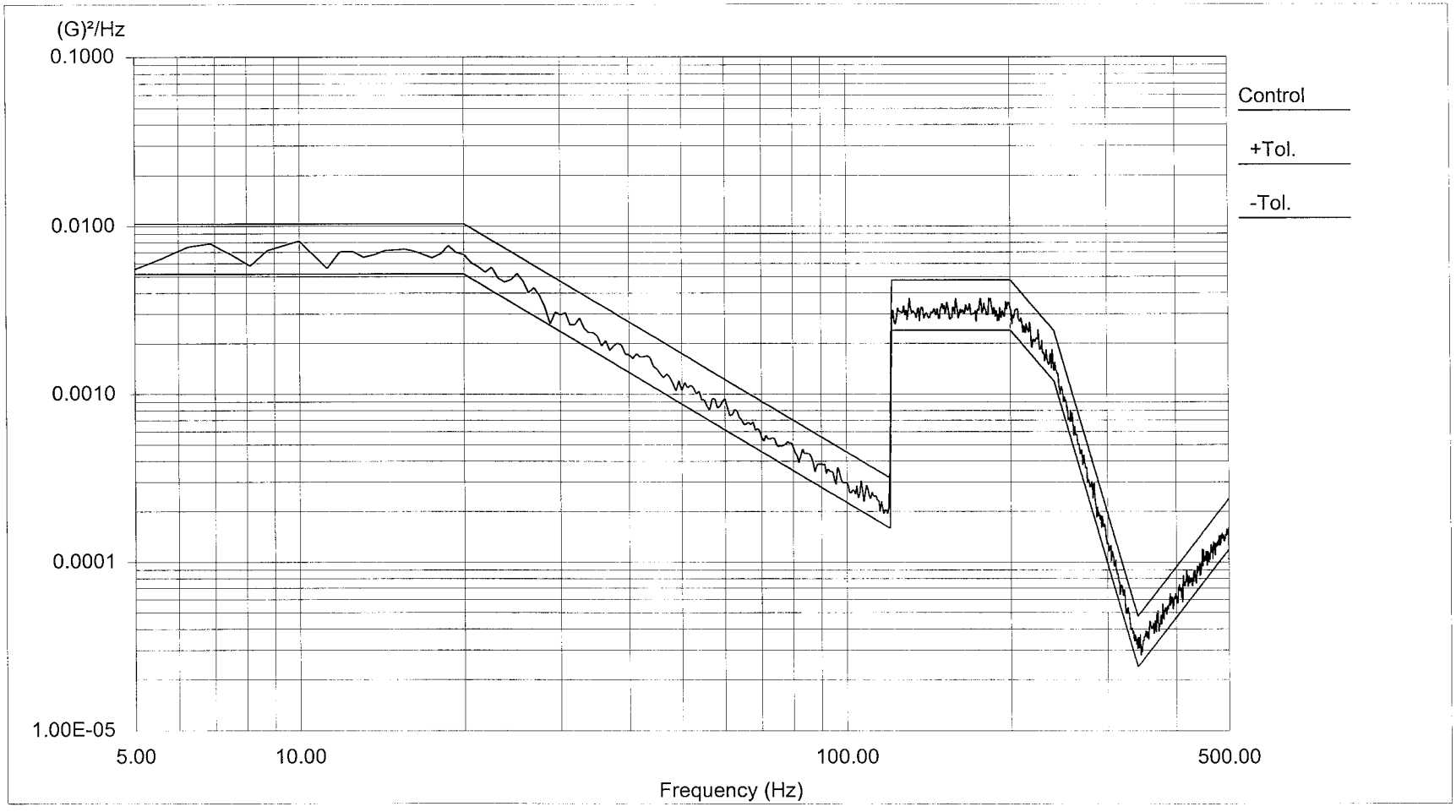
Pelican Products, Inc. JN-T55051 Case 1610
Longitudinal Axis Random Vibration
Project File Name: trans vib long.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Long Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 08-00-22

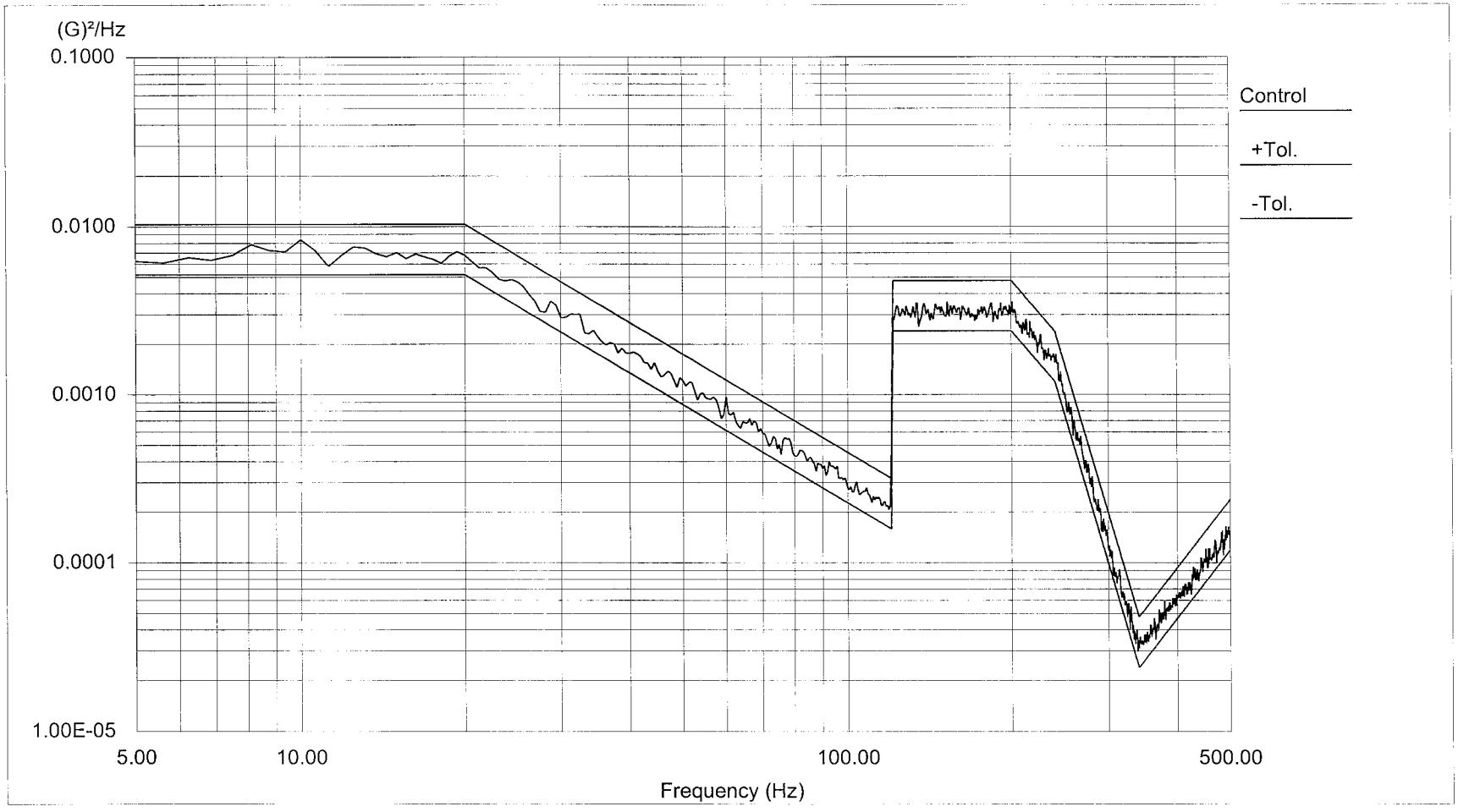


Level: 0.2 dB

Control RMS:	0.780552 G	Full Level Elapsed Time:	02:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.781831 G	Remaining Time:	00:59:58	DOF:	154	dF:	0.625000 Hz

Data saved at 10:11:49 AM, Tuesday, October 09, 2007 Report created at 11:12:19 AM, Tuesday, October 9, 2007

Pelican Products, Inc. JN-T55051 Case 1610
Longitudinal Axis Random Vibration
Project File Name: trans vib long.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Long Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 08-00-22

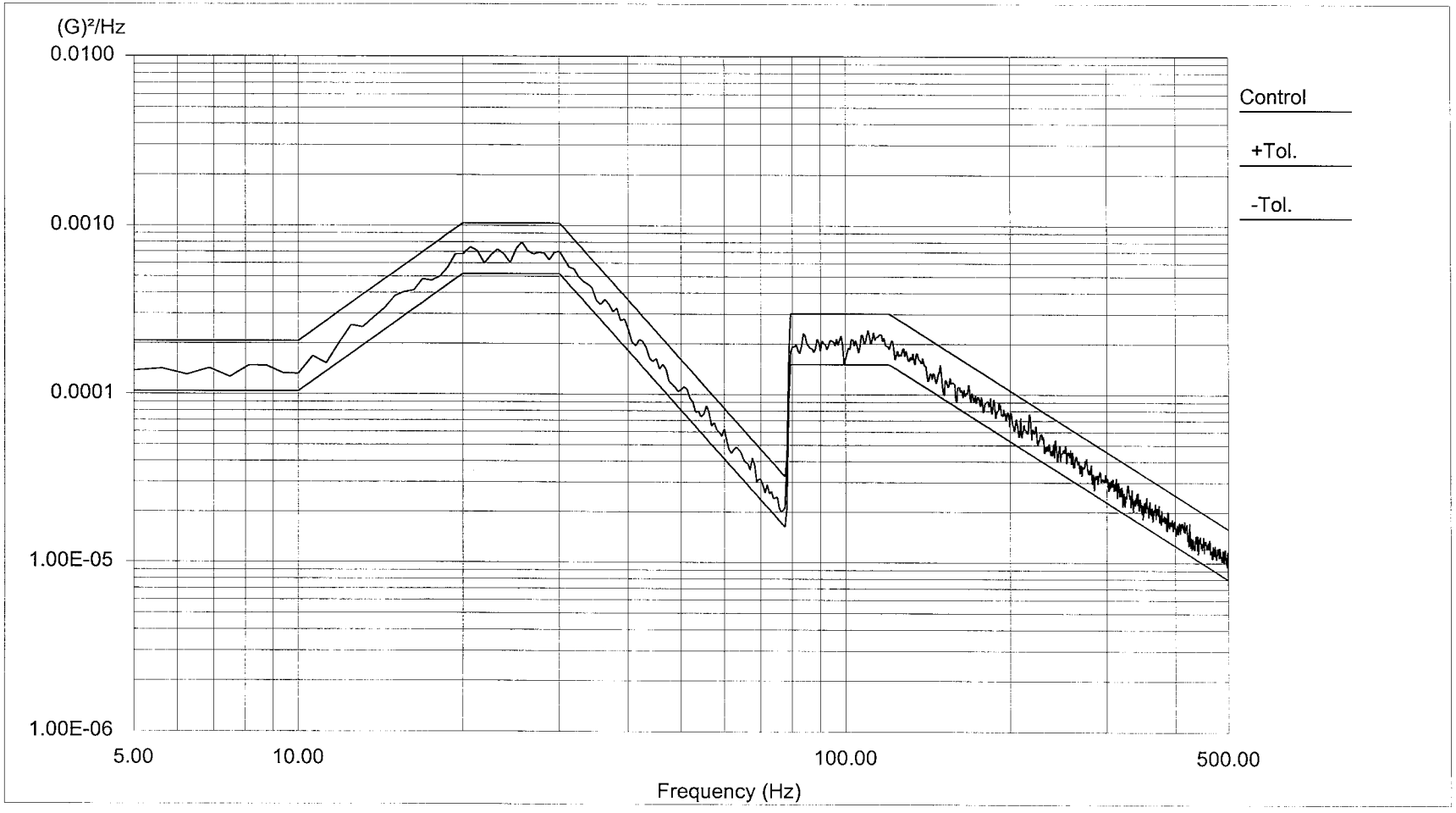


Level: 0 dB

Control RMS:	0.765374 G	Full Level Elapsed Time:	03:00:00	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.764034 G	Remaining Time:	00:00:00	DOF:	154	dF:	0.625000 Hz

Data saved at 11:11:49 AM, Tuesday, October 09, 2007 Report created at 11:12:19 AM, Tuesday, October 9, 2007

Pelican Products, Inc. JN-T55051 Case 1610
Transverse Axis Random Vibration
Project File Name: trans vib trans.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Transv Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 11-50-25



Level: 0.2 dB

Control RMS:	0.210846 G	Full Level Elapsed Time:	00:05:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.210123 G	Remaining Time:	02:54:57	DOF:	154	dF:	0.625000 Hz

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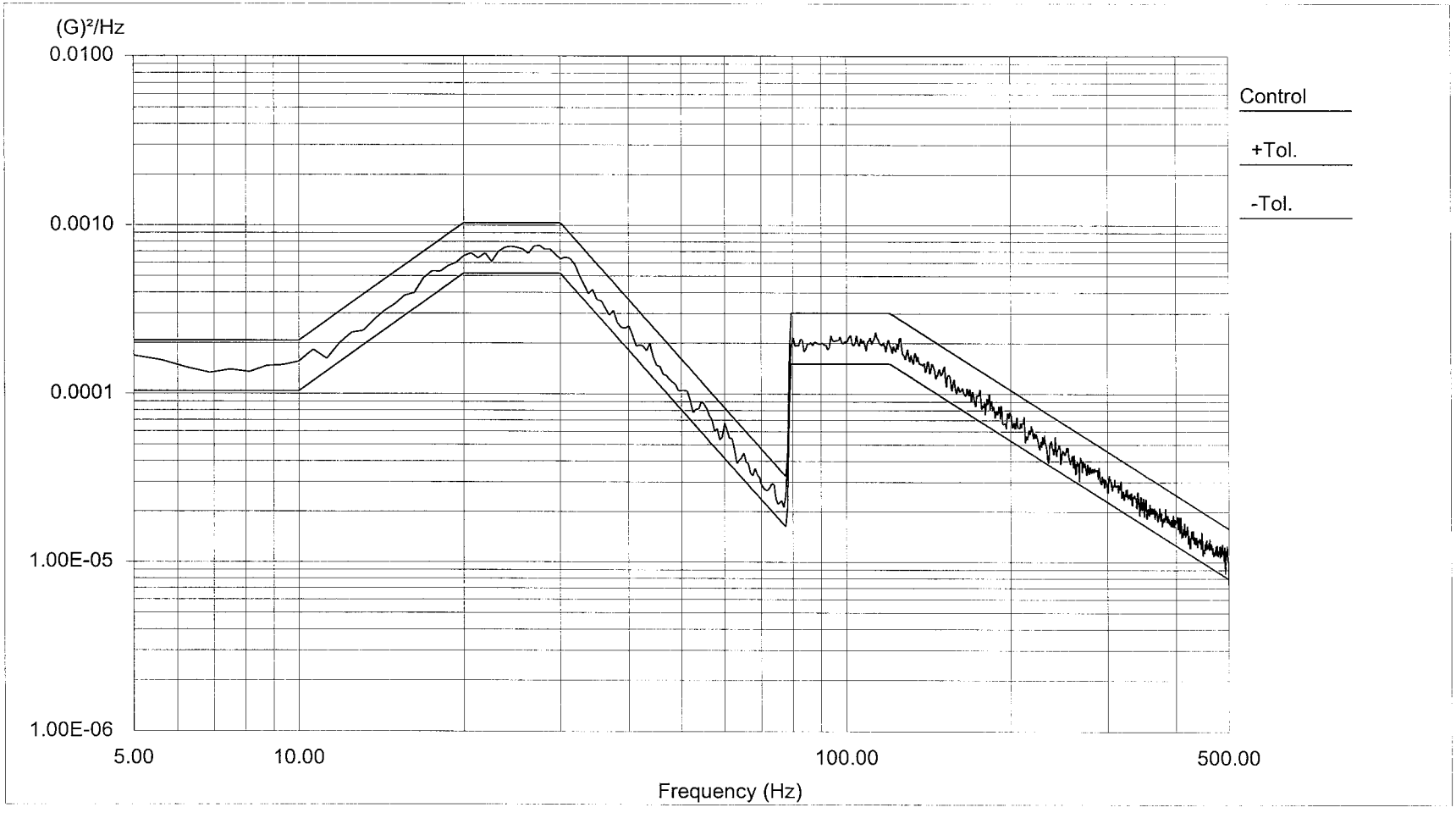
Pelican Products, Inc. JN-T55051 Case 1610
Transverse Axis Random Vibration
Project File Name: trans vib trans.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Transv Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 11-50-25



Level: 0.2 dB

Control RMS:	0.210894 G	Full Level Elapsed Time:	01:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.210123 G	Remaining Time:	01:59:58	DOF:	154	dF:	0.625000 Hz

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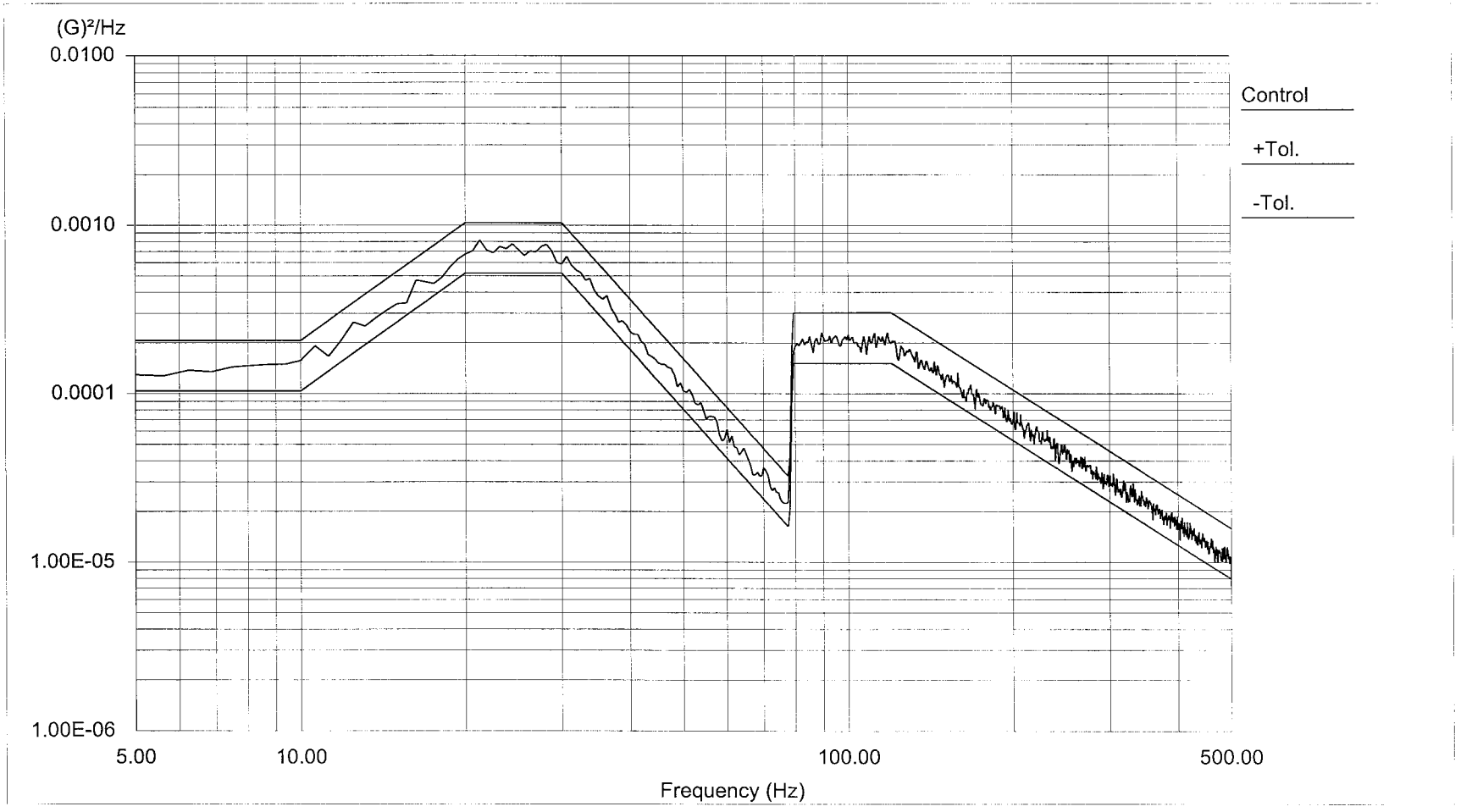
Pelican Products, Inc. JN-T55051 Case 1610
Transverse Axis Random Vibration
Project File Name: trans vib trans.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Transv Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 11-50-25



Level: 0.2 dB

Control RMS:	0.211604 G	Full Level Elapsed Time:	02:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.210123 G	Remaining Time:	00:59:58	DOF:	154	dF:	0.625000 Hz

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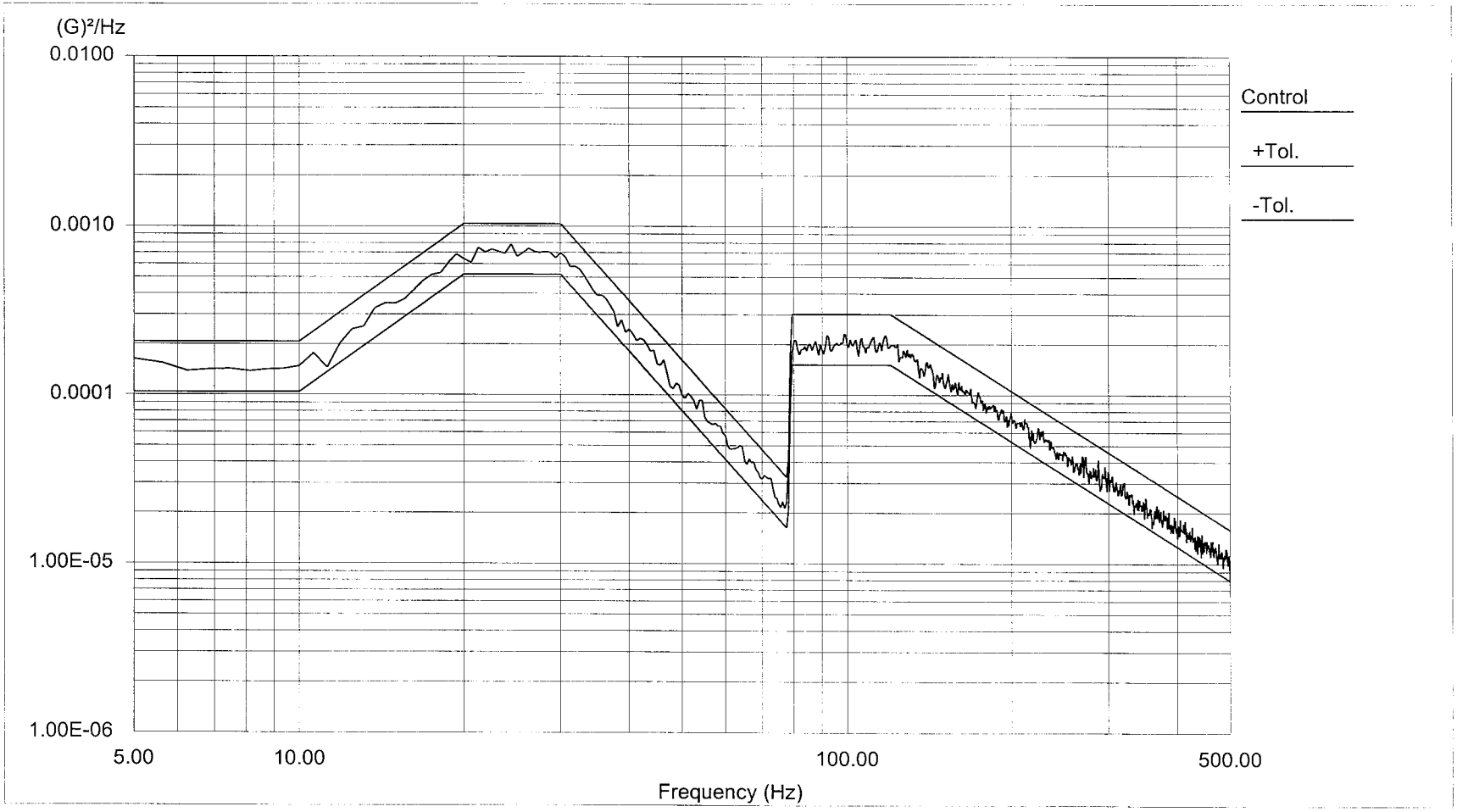
Pelican Products, Inc. JN-T55051 Case 1610
Transverse Axis Random Vibration
Project File Name: trans vib trans.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Transv Test Type: Random Run Folder: .\RunFolder Oct 09, 2007 11-50-25

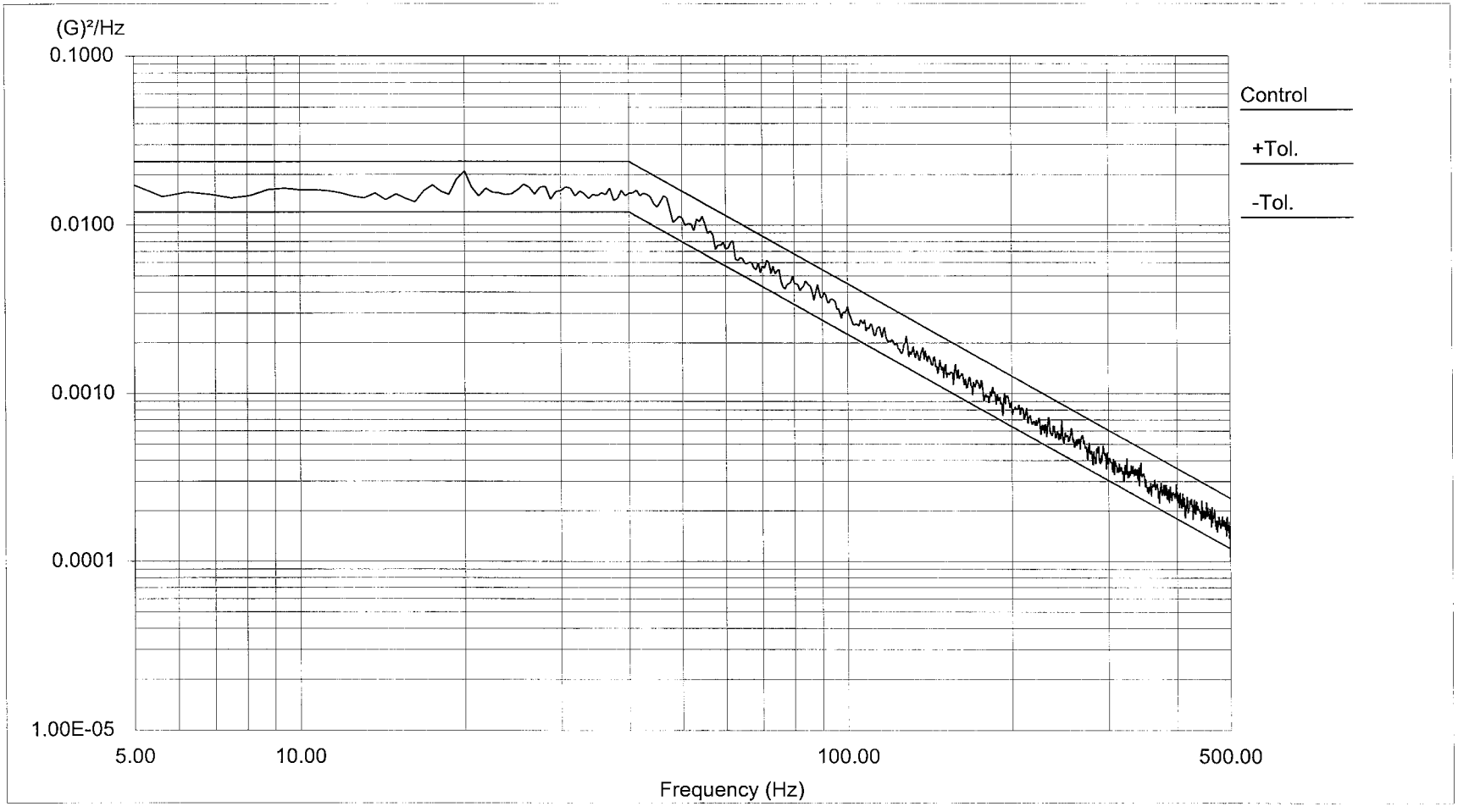


Level: 0.2 dB

Control RMS:	0.211127 G	Full Level Elapsed Time:	03:00:00	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	0.210123 G	Remaining Time:	00:00:00	DOF:	154	dF:	0.625000 Hz

Data saved at 02:58:53 PM, Tuesday, October 09, 2007 Report created at 02:59:09 PM, Tuesday, October 9, 2007

Pelican Products, Inc. JN-T55051 Case 1610
Vertical Axis Random Vibration
Project File Name: trans vib vert.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Vert Test Type: Random Run Folder: .\RunFolder Oct 10, 2007 07-34-00



Level: 0.2 dB

Control RMS:	1.116495 G	Full Level Elapsed Time:	00:06:40	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	1.110826 G	Remaining Time:	02:53:18	DOF:	154	dF:	0.625000 Hz

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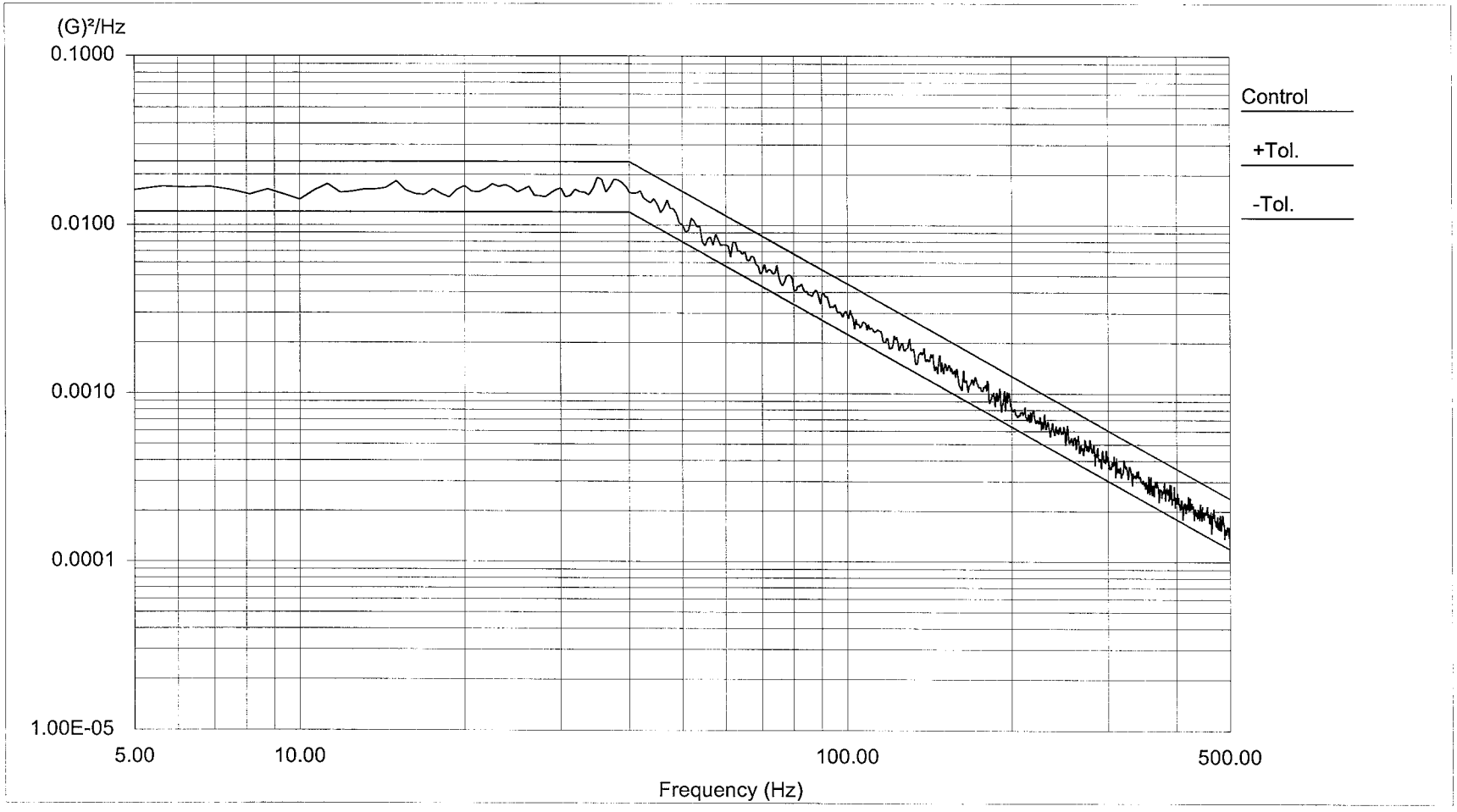
Pelican Products, Inc. JN-T55051 Case 1610
Vertical Axis Random Vibration
Project File Name: trans vib vert.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Vert Test Type: Random Run Folder: .\RunFolder Oct 10, 2007 07-34-00



Level: 0.2 dB

Control RMS:	1.122023 G	Full Level Elapsed Time:	01:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	1.110826 G	Remaining Time:	01:59:58	DOF:	154	dF:	0.625000 Hz

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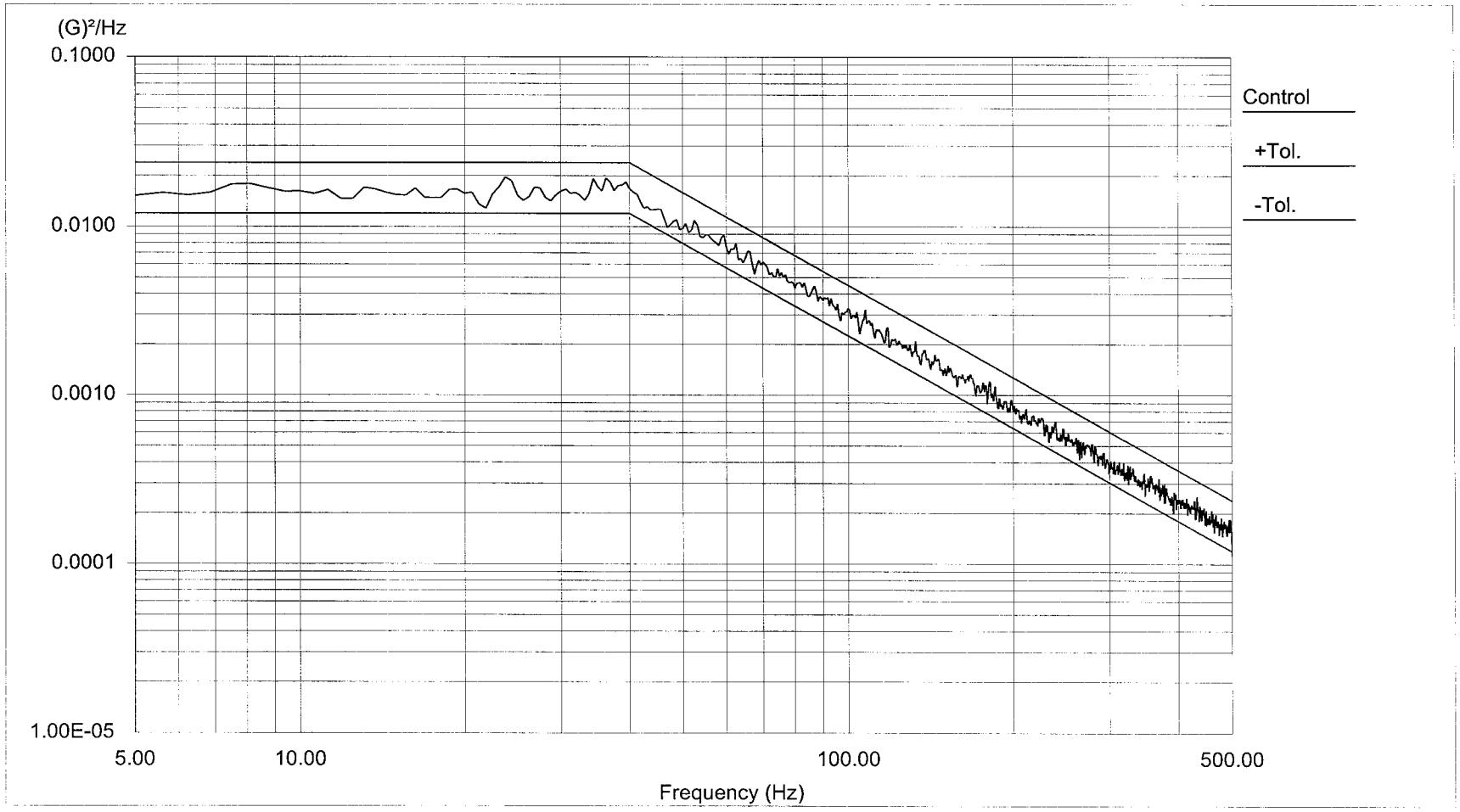
Pelican Products, Inc. JN-T55051 Case 1610
Vertical Axis Random Vibration
Project File Name: trans vib vert.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Vert Test Type: Random Run Folder: .\RunFolder Oct 10, 2007 07-34-00

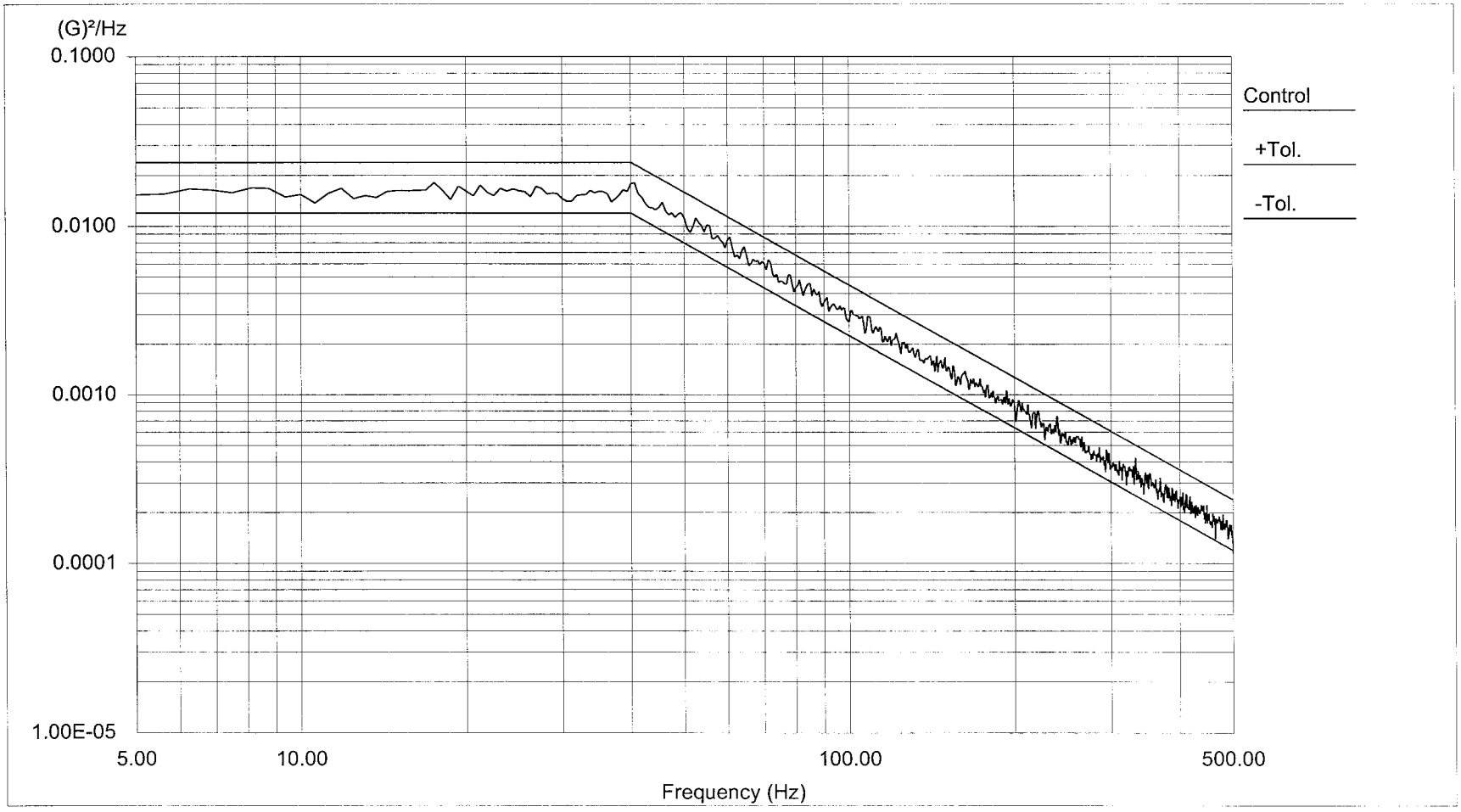


Level: 0.2 dB

Control RMS:	1.118315 G	Full Level Elapsed Time:	02:00:01	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	1.110826 G	Remaining Time:	00:59:58	DOF:	154	dF:	0.625000 Hz

Data saved at 09:41:16 AM, Wednesday, October 10, 2007 Report created at 10:41:31 AM, Wednesday, October 10, 2007

Pelican Products, Inc. JN-T55051 Case 1610
Vertical Axis Random Vibration
Project File Name: trans vib vert.prj
Profile Name: MIL-STD-810F Fig. 514.5C-1 Vert Test Type: Random Run Folder: .\RunFolder Oct 10, 2007 07-34-00



Level: 0.2 dB

Control RMS:	1.115206 G	Full Level Elapsed Time:	03:00:00	Lines:	800	Frame Time:	1.600000 Seconds
Demand RMS:	1.110826 G	Remaining Time:	00:00:00	DOF:	154	dF:	0.625000 Hz

Data saved at 10:41:16 AM, Wednesday, October 10, 2007 Report created at 10:41:31 AM, Wednesday, October 10, 2007

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TEST TITLE: Vibration - General Vibration

CUSTOMER: Pelican Products, Inc. Job No.: T55051 Date: 10/08/2007

Specimen: Case Technician: I. Garcia IG 10-18-07

Part No.: 1610 Serial No.: See Recv. Insp. Engineer: M. Bovard MB 10/18/07

EQUIPMENT	MANUFACTURER	MODEL #	RANGE	WYLE #	CALIBRATION		ACCY.
					LAST	DUE	
Accelerometer	Endevco	7704-50	0 to 2,000 g's (x5 Shock)	W10456	06/04/2007	12/04/2007	5%
Amplifier - Charge	Unholtz-Dickie	D22PM	0 to 1,000 g's	W10678	05/30/2007	11/30/2007	2%
Amplifier - Power	Unholtz-Dickie	SA180	180 KW	W13570	* System	Calibration *	Mfg. Spec.
Control System - Vibration	Dactron Inc.	Laser Sys	8 Channel Master Unit	W13664	10/16/2006	10/16/2007	Mfg. Spec.
Control System - Vibration	Dactron Inc.	Laser Sys	8 Channel Slave Unit	W13665	10/16/2006	10/16/2007	Mfg. Spec.
Exciter Electro-Dynamic	Ling	249	1" 5-2KHz 30K F/Lbs	W06702	* System	Calibration *	Mfg. Spec.
Exciter Electro-Dynamic	Ling	249	1" 5-2KHz 30K F/Lbs	W12493	* System	Calibration *	Mfg. Spec.
Meter - DMM	Hewlett Packard	34401A	Multi	W13127	01/02/2007	01/02/2008	Mfg. Spec.
Oscilloscope	Tektronix	TDS2002	2 Ch, 60Mhz, 1GS/s	W50755	05/17/2007	05/17/2008	±3%

Where applicable, the listed test equipment has been calibrated using standards which are traceable to the National Institute of Science & Technology. Certificates and reports of all calibrations are retained in the Wyle Laboratories QA files and are available for inspection upon request. *Equipment identified as System Calibration are verified prior to use.

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DATA SHEET

Test Title Vibration - Loose Cargo Transportation

Customer	Pelican Products, Inc.			**Job No.**	T55051
Specimen	Case			**Date Started**	10/10/2007
Part No.	1610	**Serial No.**	W-1	**Date Comp.**	10/10/2007
Spec.	MIL-STD-810F	**Par.**	514.5	**Photo** Yes	**Amb. Temp.** 77 ±18 °F

Requirements:

No. of Specimens:	1
Frequency:	5 Hz
Test Motion:	Rotary motion with double amplitude 25 mm
Test Bed:	Cold rolled steel plate, 5 to 10 mm thick
Containment:	Wood fencing, 5 cm higher than the test item, to contain test item and provide impact surface
Orientation:	2 horizontal (90° apart)
Test Duration:	1 hr total (30 min per orientation)

Test Method:

Place the test item on the vibration machine platform in the first orientation and photograph the test setup. In the first orientation, the test item should be sitting on its base with the longest axis of the test item parallel to the long axis of the table. The test item should not be secured to the test bed. The test equipment will consist of a test machine which impacts a 25 mm peak circular motion to the table at a frequency of 5 Hz. The test bed will be a cold rolled steel plate 5 to 10 mm thick. The test item will be restrained by wood impact walls and sideboards, 5 cm higher than the test item. The wood restraints should allow impacting on only one end wall (no rebounding) and should prevent rotation of the test item through 90°.

Start the vibration of the platform at 5Hz, and run the test for 30 minutes. Reposition the test item by keeping it on its base and rotating it 90°, and then run the test for an additional 30 minutes.

Upon completion of the testing, perform a visual inspection and document all results.

Test Results:

All testing was performed per the Test Method and Requirements listed above. There was no visible damage due to testing observed upon completion of the testing.

Tested By L J Anthony 10/10/07

Engineer [illegible] 10/18/07

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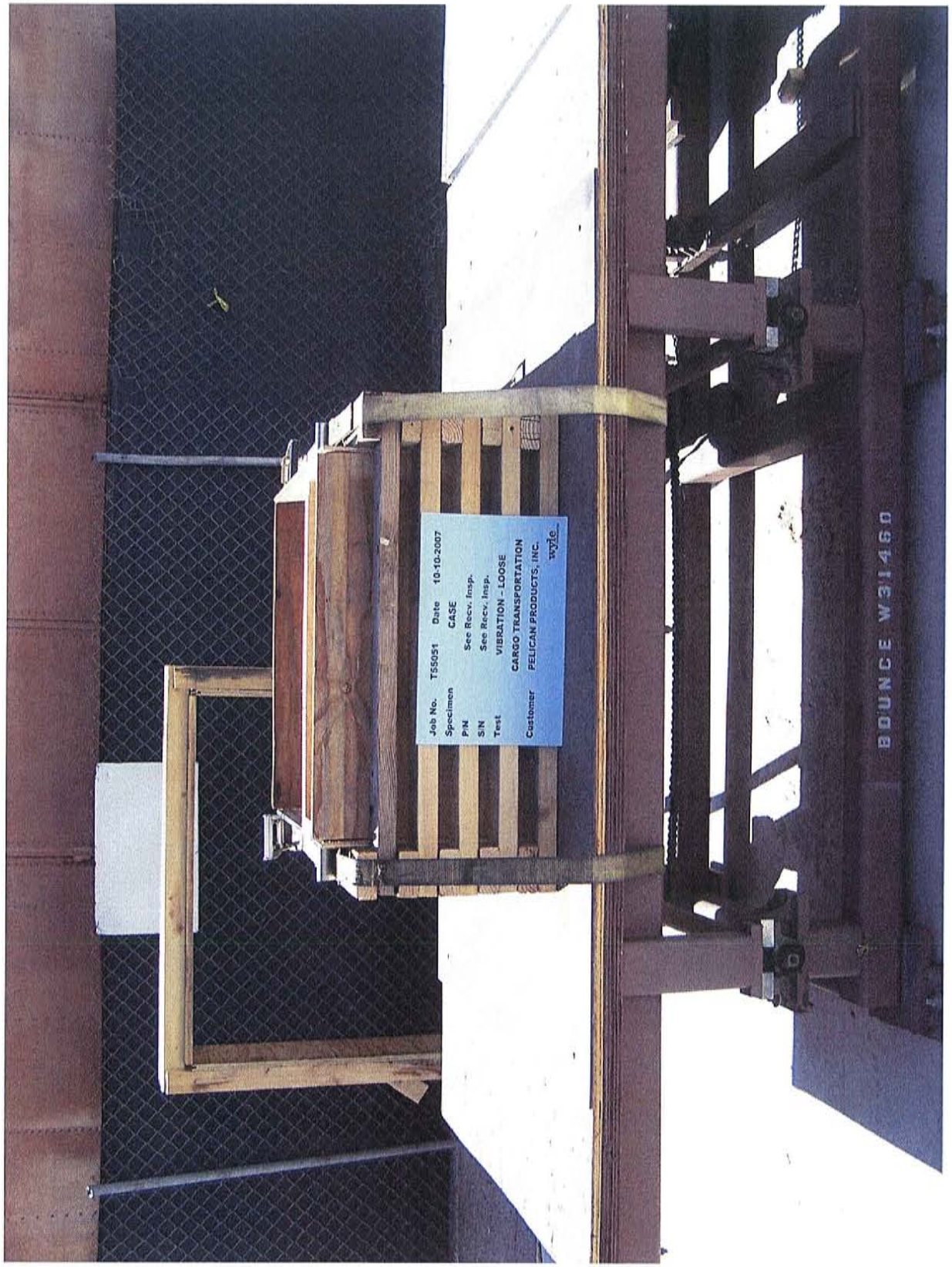

Photograph 4
Loose Cargo Transportation Test Setup

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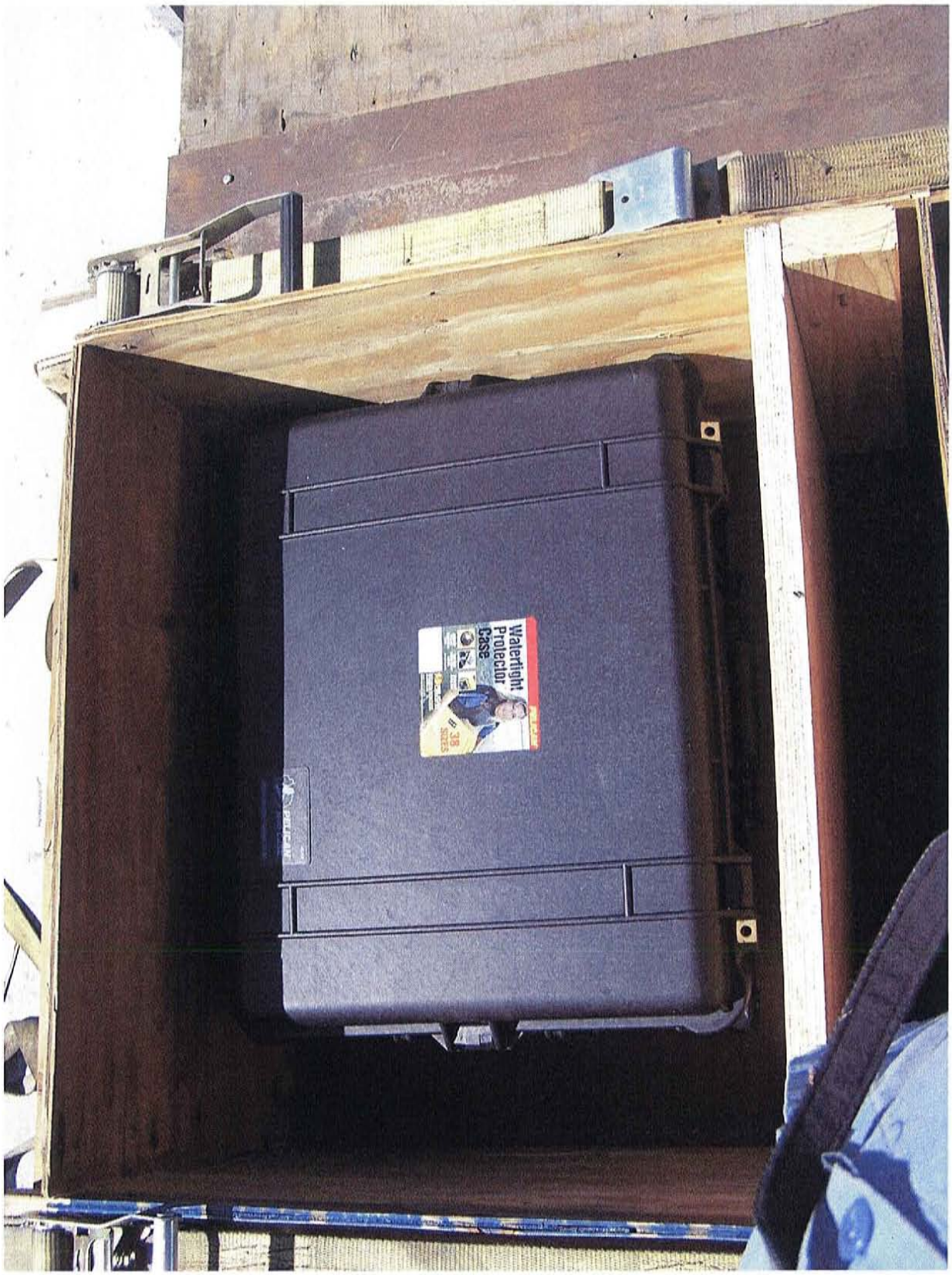

Photograph 5
Loose Cargo Transportation Test – Longitudinal Direction

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Photograph 6
Loose Cargo Transportation Test – Transverse Direction

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Photograph 7
Post Loose Cargo Transportation Test

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Photograph 8
Post Loose Cargo Transportation Test

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Photograph 9
Post Loose Cargo Transportation Test

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TEST TITLE: Vibration - Loose Cargo Transportation

CUSTOMER: Pelican Products, Inc. Job No.: T55051 Date: 10/10/2007

Specimen: Case Technician: J. Anthony JA 10/10/07

Part No.: 1610 Serial No.: See Recv. Insp. Engineer: M. Bovard MB 10/15/07

EQUIPMENT	MANUFACTURER	MODEL #	RANGE	WYLE #	CALIBRATION		ACCY.
					LAST	DUE	
Recurring Impact Machine	Wyle	F5/1	0 to 6 Hz	W31460	* System	Calibration *	System
Stopwatch	Micronta	Japan	60 Min.	W10185	09/18/2007	03/18/2008	.1 Sec.
Strobotac	Ametek	1726	6 - 20000 RPM	W11906	04/11/2007	04/11/2008	1 RPM

SB - 616 - Rev. 08/06

Where applicable, the listed test equipment has been calibrated using standards which are traceable to the National Institute of Science & Technology. Certificates and reports of all calibrations are retained in the Wyle Laboratories QA files and are available for inspection upon request. *Equipment identified as System Calibration are verified prior to use.

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DATA SHEET

Test Title Shock - Transit Drop

Customer Pelican Products, Inc. **Job No.** T55051

Specimen Case **Date Started** 10/11/2007

Part No. 1610 **Serial No.** W-1 **Date Comp.** 10/11/2007

Spec. MIL-STD-810F **Par.** 516.5 **Photo** Yes **Amb. Temp.** 77 ± 18°F

Test Requirements

No. of Specimens: One (1)

No. of Drops each Specimen: 26

No. of Drops per Configuration: Varies (see below)

Impacts Surface: Two-inch plywood backed by concrete

Temperature Requirements: Ambient

Drop Configuration	Drop Height
Drop on each Face (6 total)	48 inches
Drop on each Edge (12 total)	48 inches
Drop on each Corner (8 total)	48 inches

Remarks: Perform drops from a quick-release hook or drop tester. Orient the test item so that, upon impact, a line from the struck corner or edge to the center of gravity is perpendicular to the impact surface.

At the conclusion of the test the Specimen(s) was visually examined for evidence of damage.

Test Results:

All testing was performed according to the Test Requirements stated above. During testing the only notable event was that the one latch popped partway open during one of the drops (see following sheet). Upon completion of the testing, the only visible damage due to testing was some minor scuffing on the test item.

Tested By 10-18-07

Engineer 10/18/07

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DATA SHEET

Test Title Shock - Transit Drop **Date** 10/11/2007

Customer Pelican Products, Inc. **Job No.** T55051

Specimen Case **Technician** I. Garcia IG 10-18-07

Part No. 1630 **Serial No.** W-1 **Engineer** M. Bovard MB 10/18/07

DATE	TIME	CONFIGURATION	HEIGHT	COMMENTS
10/11	0806	Face 1	48"	No damage observed
10/11	0807	Face 2	48"	No damage observed
10/11	0809	Face 3	48"	No damage observed
10/11	0811	Face 4	48"	No damage observed
10/11	0812	Face 5	48"	No damage observed
10/11	0814	Face 6	48"	No damage observed
10/11	0820	Edge 1	48"	No damage observed
10/11	0821	Edge 2	48"	No damage observed
10/11	0822	Edge 3	48"	No damage observed
10/11	0823	Edge 4	48"	No damage observed
10/11	0825	Edge 5	48"	No damage observed
10/11	0826	Edge 6	48"	No damage observed
10/11	0827	Edge 7	48"	No damage observed
10/11	0828	Edge 8	48"	Latch popped open on left side
10/11	0831	Edge 9	48"	No damage observed
10/11	0832	Edge 10	48"	No damage observed
10/11	0834	Edge 11	48"	No damage observed
10/11	0836	Edge 12	48"	No damage observed
10/11	0837	Corner 1	48"	No damage observed
10/11	0838	Corner 2	48"	No damage observed
10/11	0840	Corner 3	48"	No damage observed
10/11	0841	Corner 4	48"	No damage observed
10/11	0842	Corner 5	48"	No damage observed
10/11	0843	Corner 6	48"	No damage observed
10/11	0845	Corner 7	48"	No damage observed
10/11	0846	Corner 8	48"	No damage observed

Drop-ds

SB - 614B – Rev. 08/06

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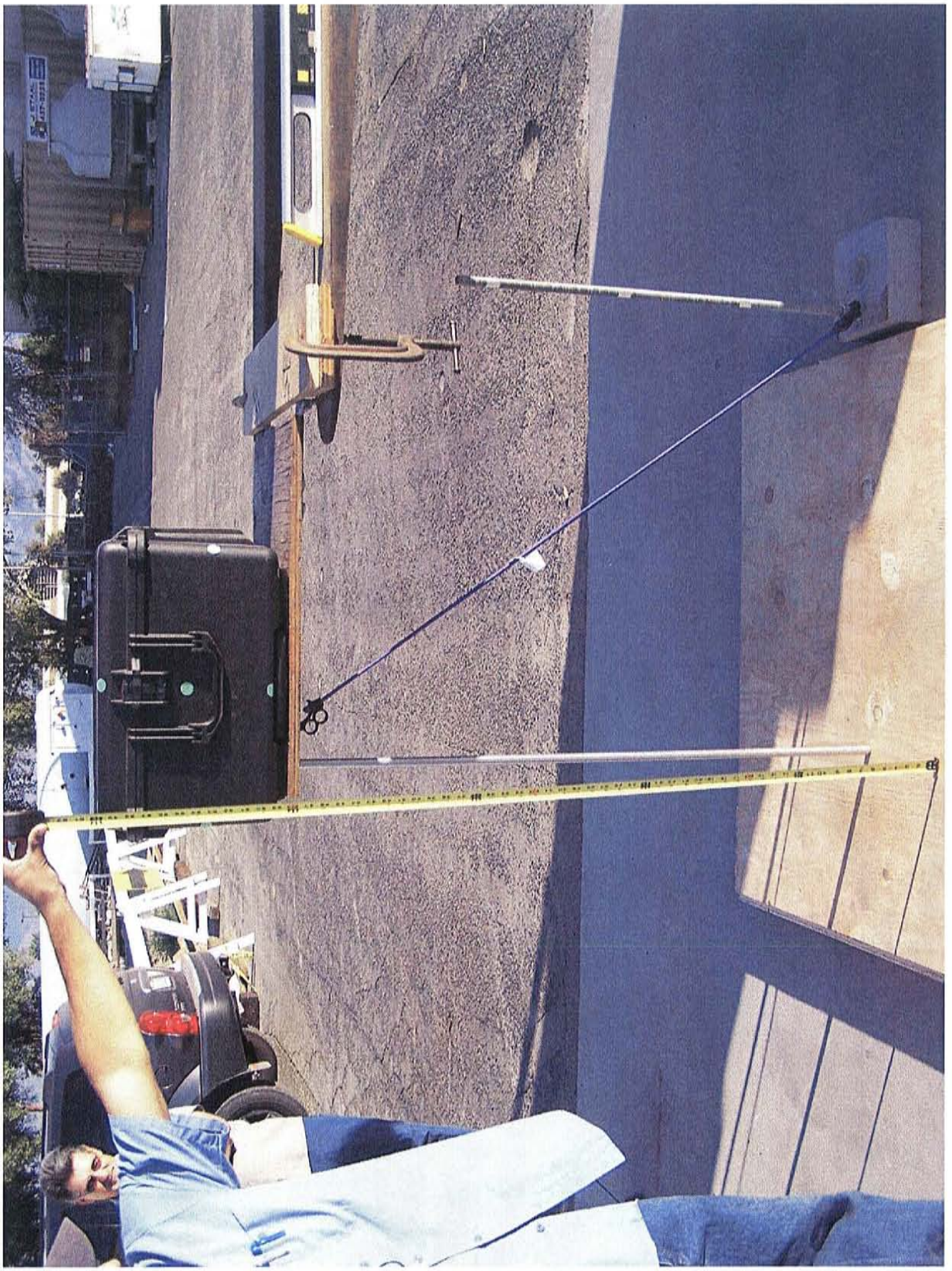

Photograph 10
Transit Drop Test Setup

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Photograph 11
Transit Drop Test – Typical Face Drop

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Photograph 12
Transit Drop Test – Typical Edge Drop

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Photograph 13
Transit Drop Test – Typical Corner Drop

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Photograph 14
Post Transit Drop Test

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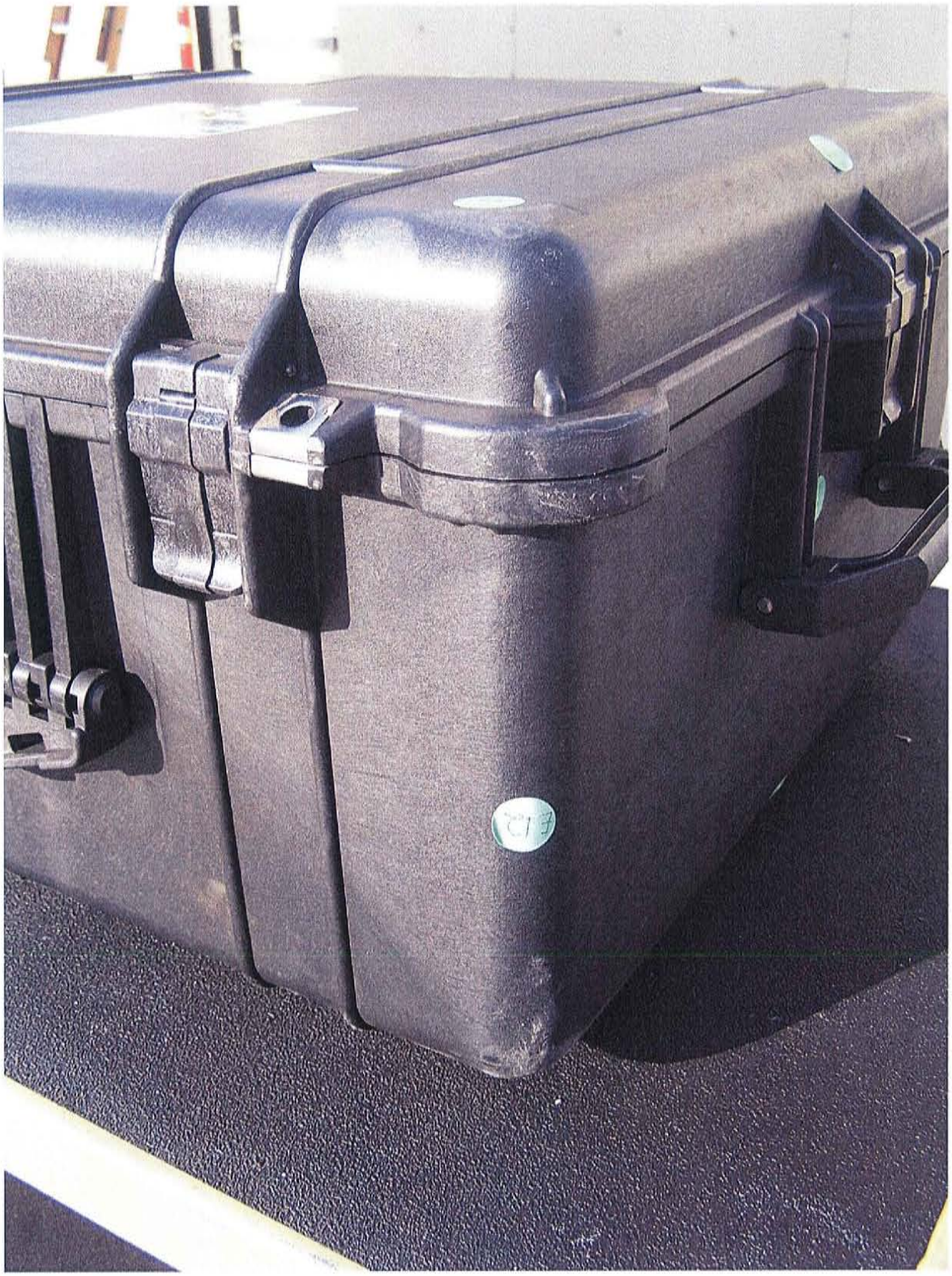

Photograph 15
Post Transit Drop Test

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Photograph 16
Post Transit Drop Test

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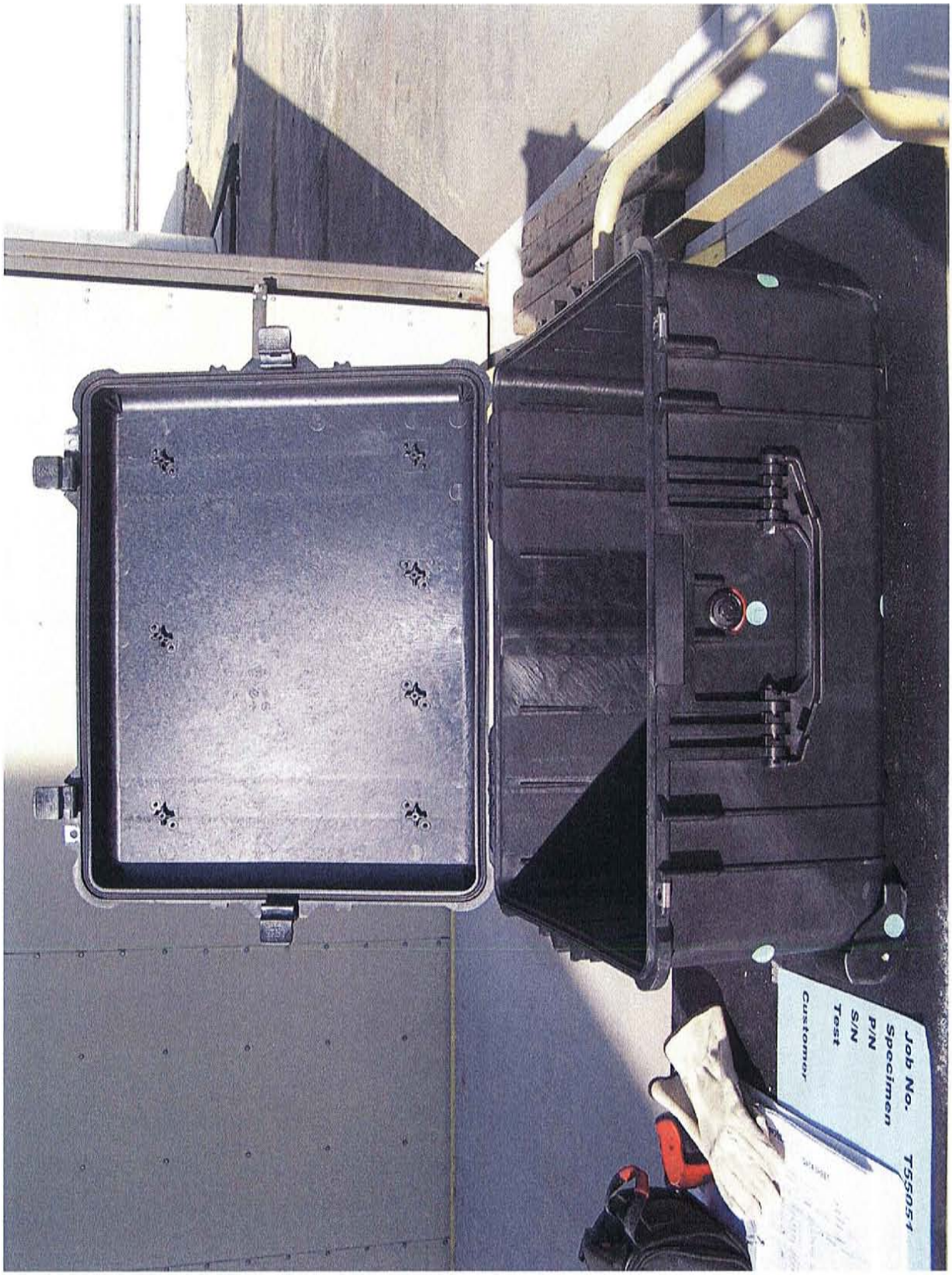

Photograph 17
Post Transit Drop Test

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TEST TITLE: Shock - Transit Drop

CUSTOMER: Pelican Products, Inc. Job No.: T55051 Date: 10/11/2007

Specimen: Case Technician: I. Garcia IG 10-18-07

Part No.: 1610 Serial No.: See Recv. Insp. Engineer: M. Bovard MB 10/18/07

EQUIPMENT	MANUFACTURER	MODEL #	RANGE	WYLE #	CALIBRATION		ACCY.
					LAST	DUE	
Level	Macklanburg	200	0 - 90 Deg.	W13122	01/16/2007	01/16/2008	.1 Deg.
Stopwatch	Micronta	Japan	60 Min.	W10185	09/18/2007	03/18/2008	.1 Sec.
Tape Measure	Lufkin	AL725MAG	0 to 25 Feet	W50758	11/13/2006	11/13/2007	Mfg. Spec.

Where applicable, the listed test equipment has been calibrated using standards which are traceable to the National Institute of Science & Technology. Certificates and reports of all calibrations are retained in the Wyle Laboratories QA files and are available for inspection upon request. *Equipment identified as System Calibration are verified prior to use.

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DATA SHEET

Customer Pelican Products, Inc. **Job No.** T55051

Date 10/12/2007

Specimen Case

RECEIVING INSPECTION

No. of Specimens Received: One (1)

Record identification information exactly as it appears on the tag or specimen:

Manufacturer: Pelican Products, Inc.

P/N's	**S/N's**
1610	W-2

How does identification information appear: (name plate, tag, painted, imprinted, etc.)

P/N from Name Plate, S/N Wyle designated

Examination: Visual, for evidence of damage, poor workmanship, or other defects, and completeness of identification.

Inspection Results: There was no visible evidence of damage to the specimen(s) unless otherwise noted below.

recinsp

Inspected By 10-18-07

Sheet No. 1 of 1

Approved Date 10/18/07

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DATA SHEET

Test Title Immersion

Customer	Pelican Products, Inc.			**Job No.**	T55051
Specimen	Case			**Date Started**	10/15/2007
Part No.	1610	**Serial No.**	W-2	**Date Comp.**	10/15/2007
Spec.	MIL-STD-810F	**Par.**	512.4	**Photo** Yes	**Amb. Temp.** 77 ± 18°F

Requirements:

No. of Specimens:	One (1)
Temperature:	Temperature of the test item should be 27°C above the water temperature immediately before immersion
Conditioning:	2 hours before water exposure
Water Level:	1 m covering depth, measured from the uppermost surface of the test item to the surface of the water
Soak Duration:	30 minutes

Test Method:

With the test item at standard ambient conditions perform a visual inspection, and open and close any doors, covers, etc. that would be opened during normal use three times. Condition the test item for 2 hours at 27°C above the temperature of the water to be used for immersion.

Immerse the test item in water so that the uppermost point of the test item is 1 ± 0.1 m below the surface of the water. Let the test item soak for 30 minutes.

Upon completion of the 30-minute immersion period, remove the test item from the water and wipe the exterior surfaces dry. Perform a visual inspection and check for the presence of water inside the test item. Document all results.

Test Results:

All testing was performed per the Test Method and Requirements stated above. No visible evidence of water penetration or damage to the test specimen was observed upon completion of testing.

Tested By 10-18-07

Engineer 10/18/07

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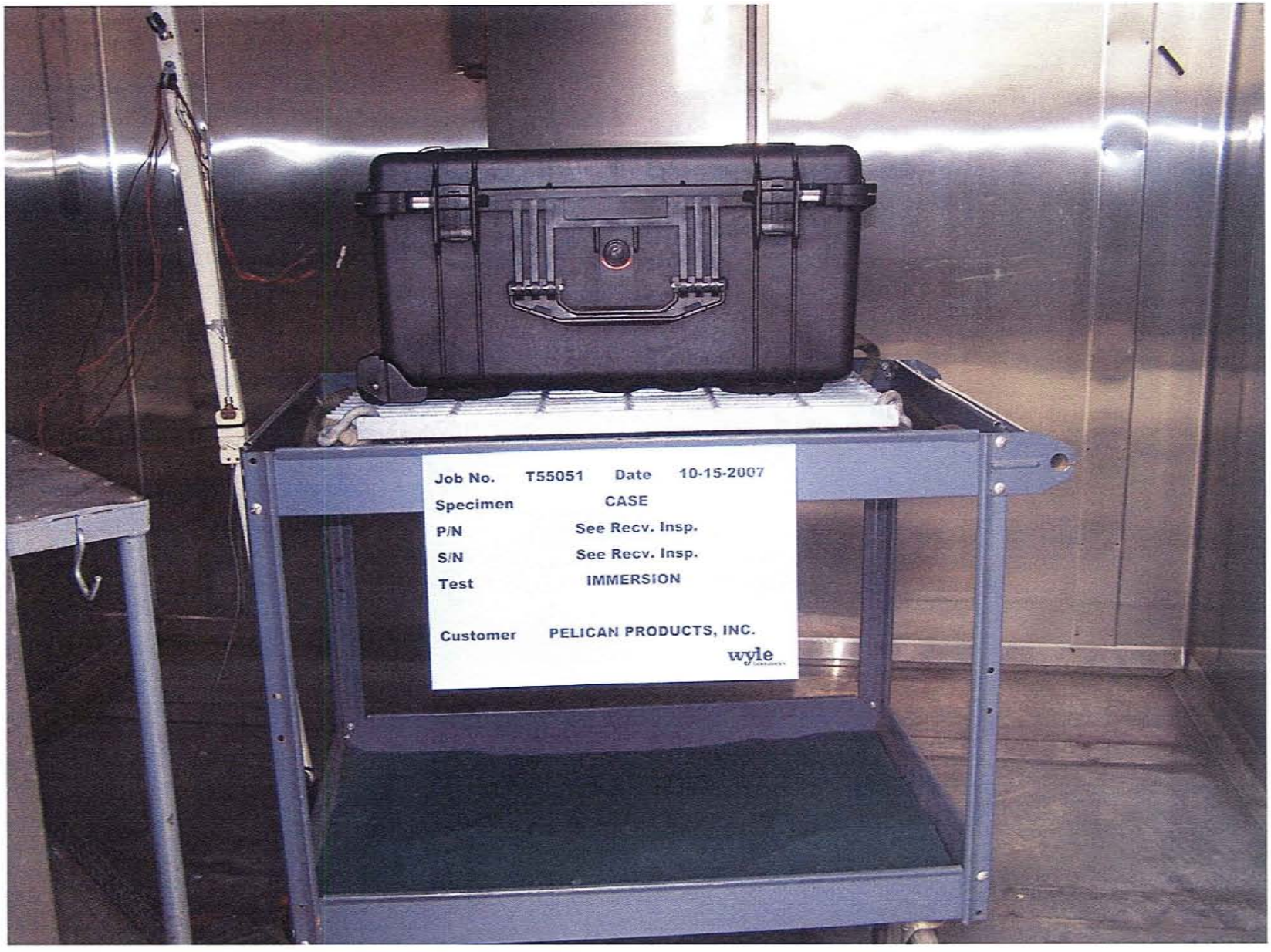
Photograph 18
Immersion Test Setup



Photograph 19
Immersion Test Conditioning

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Photograph 20
Immersion Test

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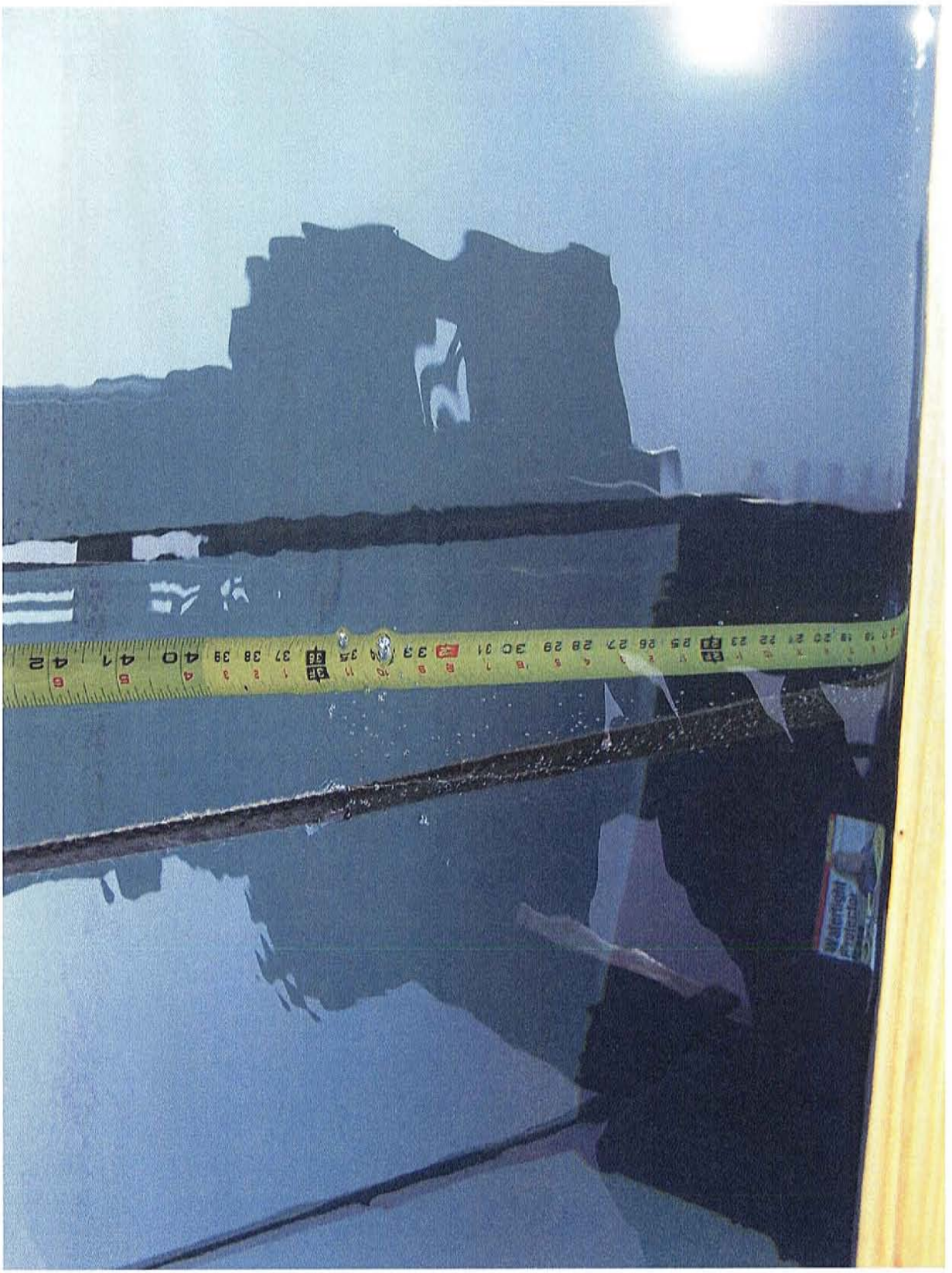

Photograph 21
Immersion Test

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Photograph 22
Immersion Test

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Photograph 23
Post Immersion Test

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Photograph 24
Post Immersion Test

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Pelican Products Inc J/N-T55051

Case

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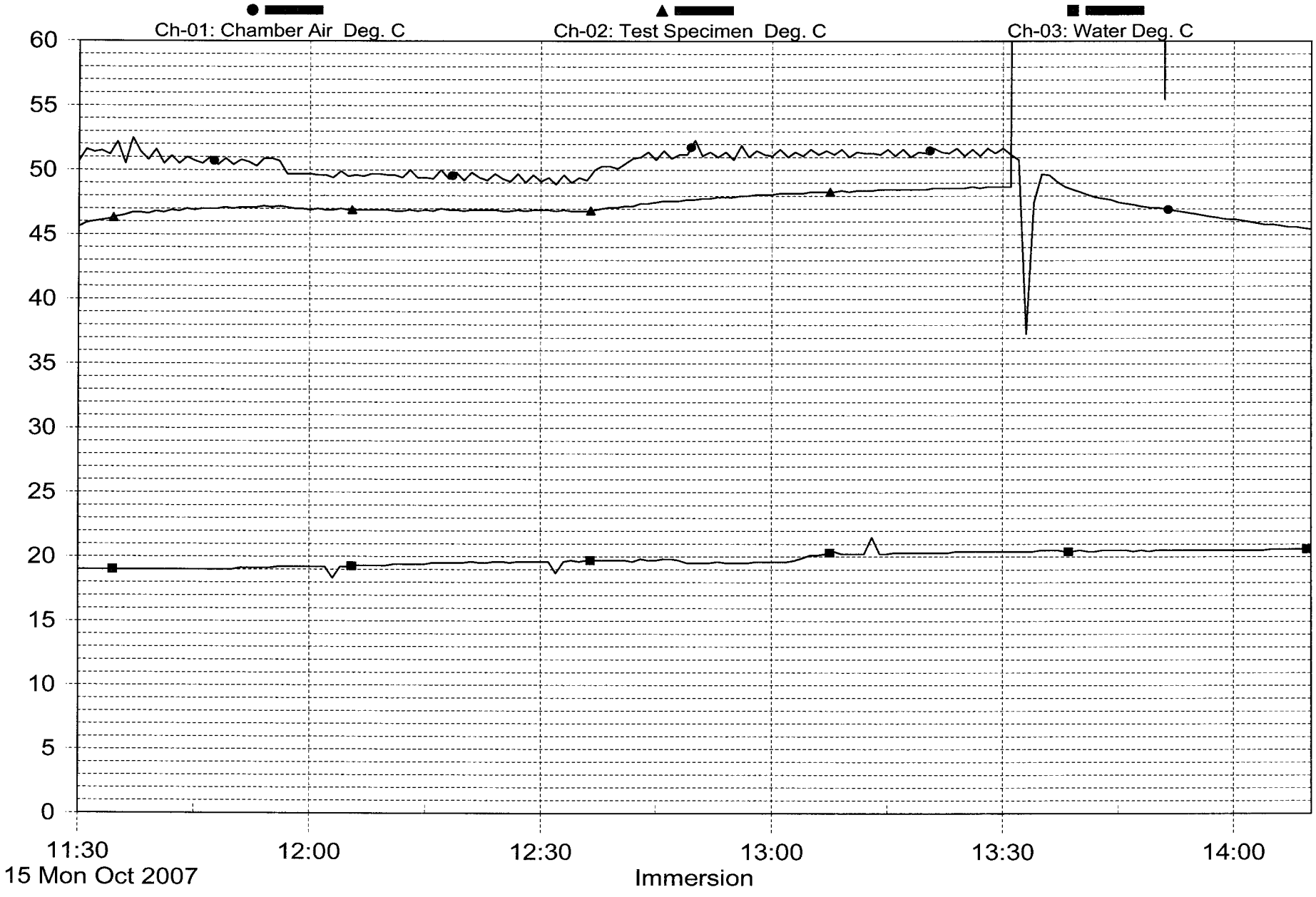

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TEST TITLE: Immersion

CUSTOMER: Pelican Products, Inc. Job No.: T55051 Date: 10/15/2007

Specimen: Case Technician: I. Garcia IG 10-18-07

Part No.: 1610 Serial No.: See Recv. Insp. Engineer: M. Bovard MB 10/18/07

EQUIPMENT	MANUFACTURER	MODEL #	RANGE	WYLE #	CALIBRATION		ACCY.
					LAST	DUE	
Chamber - Environmental	Bally	Chamber 3	-80 to +240°F & Rh / 8' x 8' x 7'10" / CO2 & LN2	W50714	* System	Calibration *	Mfg. Spec.
Controller - Chamber	Watlow / Omega	922 / CN9000	-100° to 240°F	W50709	* System	Calibration *	Mfg. Spec.
Multimeter/DAS	Keithley	2700	10VDC & Type T TC's	W13690	11/13/2006	11/13/2007	±2%
Multiplexer Module	Keithley	7700	20 Channels Volts or TC's	W14903	11/13/2006	11/13/2007	Mfg. Spec.
Stopwatch	Cole Parmer	365530	10 hour	W13604	09/18/2007	03/18/2008	.1 sec
Tape Measure	Lufkin	AL725MAG	0 to 25 Feet	W50758	11/13/2006	11/13/2007	Mfg. Spec.

Where applicable, the listed test equipment has been calibrated using standards which are traceable to the National Institute of Science & Technology. Certificates and reports of all calibrations are retained in the Wyle Laboratories QA files and are available for inspection upon request. *Equipment identified as System Calibration are verified prior to use.