## **TEST REPORT NO. 54402-3**



TEST, ENGINEERING AND RESEARCH GROUP, SAN BERNARDINO

Pelican Products, Inc. 23215 Early Avenue Torrance, CA 90505 Our Job No. T54402 Contract — 46273

Date April 2, 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. 1495 (no serial number), was subjected to Vibration, Low Temperature, Dry Heat, and Impact Testing in accordance with DEF STAN 81-41 (Part 3)/Issue 4 and the following paragraphs:

Vibration Test K	Paragraph 24
Low Temperature Test G	Paragraph 21
Dry Heat Test C	Paragraph 17
Impact (Vertical) Test E	Paragraph 19

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

Test Dates: 3/7/07-3/16/07

	7
STATE OF CALIFORNIA COUNTY OF SAN BERNARDINO SS.	TEST OPERATIONS
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.  SUBSCRIBED and sworn to before me this	DEPT. MANAGER  QUALITY ASSURANCE  TEST ENGINEER  M. Bovard  M. Bovard  P.Knoll  P.Knoll  G. Montgomery

My Comm. Expires Mar 8, 2008



Customer	Pelican Products, Inc.	Job No.	T54402
		Date _3	/6/2007
Specimen	Case		

## RECEIVING INSPECTION

Vlanufa	ecturer: Pelican Products, Inc		
P/N's	1495	S/N's	N/A
How do	oes identification information a	nnear: (name nla	ate, tag, painted, imprinted, etc.)
Label	oes identification information a	ppear. (name pre	ate, tag, painted, imprinted, etc./
Exami	nation: Visual, for evidence of defects, and complete		
Inspec	ction Results: There was no	visible evidence	of damage to the specimen(s)

recinsp

Inspected By Sheet No.

Approved Mulul Kent Date 3/30/07



Test Title Vibration Customer Pelican Products, Inc. **Job No.** T54402 Specimen Case Date Started 3/7/2007 Part No. 1495 Serial No. See Recv. Insp. Date Comp. 3/7/2007 Spec. DEF STAN 81-41 Part3/4 Par. 14 and 24 Photo Yes Amb. Temp.  $25 \pm 10^{\circ}$ C

## Requirements:

Pre-Conditioning:

Temperature:

25± 10 °C

Humidity:

45% to 75%

Duration:

16 hours or until specimen has reached temperature

stabilization (whichever is the shortest period)

Vibration:

Test Level:

 $\pm$  0.23" ( $\pm$  6 mm) peak (0.46" DA) from 5 to 9 Hz and  $\pm$ 2g

peak from 9 to 350 Hz

Sweep Rate:

 $0.75 \pm 0.25$  octave per minute

Test Duration:

Depending on test specimen weight, see below

Orientation:

Depending on test specimen weight see below

## Test Method:

Weigh the test specimen.

Place the test specimen in a test chamber on the face on which it normally is expected to be transported or stored. Install a thermocouple on the test specimen. Maintain the chamber at 25± 10 °C and 45% to 75% relative humidity for 16 hours or until the specimen has reached temperature stabilization (i.e. test specimen temperature stable with chamber temperature).

After pre-conditioning:

Immediately after removal from the conditioning chamber strap the test specimens to a vibration machine. Subject the test specimens to the following vibration test. Axis designations are to be Top to Bottom, Side to Side, and Front to Back.

For each test specimen whose weight is up to and including 154.3 pounds (0-70 kg), vibrate each test specimen for 2 hours in each of the three mutually perpendicular axis at a vibration amplitude of  $\pm$  0.23" ( $\pm$  6 mm) peak (0.46" DA) from 5 to 9 Hz and  $\pm$ 2g peak from 9 to 350 Hz and a sweep rate of 0.75±0.25 octave per minute.

NOTE: If because of the geometry of the test specimen, it is considered impractical or unnecessary to vibrate the test specimen in a particular axis, the test specimen shall be vibrated for 3 hours in each of the two remaining axis.

(Continued)

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Tested By

Engineer



Test Title	Vibration			Date 3/7/2007	
Customer	Pelican Products,	Inc.		<b>Job No.</b> _ T54402	
Specimen	Case			Technician S. Buckler 5.3.	
Part No.	1495	Serial No.	See Recv. Insp.	Engineer M. Bovard 748 1/3	0/07
(C	ontinued)				
co	osures, hinges, hand nstitute a failure of t	lles, etc.) and any dama he specimen. Minor vis	alfunction of the fittings age to or spillage of the sible deterioration of the are of the test specimen	package contents shall test specimen shall be	
Te	est Results:				
2			st Method and Requirem		
Vis	sual evidence of dan	nage was observed upo	on completion of testing	in each axis.	

Signed: 5kg B

## Dynamics Section Vibration Test Data Sheet

**Job No.** T54402

Customer	ı	Pelican Products, Inc.	lnc	Specimen	Case			P/N 1495 S/N See Recv. Insp.
				S	Sinusoidal		Test	
Date	Time	Axis	Temp. (° F)	Freq. (Hz)	Disp. ("DA)	Accel (±G)	Time (Min.)	Comments
2007	Noted	Noted	Amb.	5-350	Noted	Noted	120	Test Requirements: Sine Sweep
				5-9	0.46			
				9-350		2		
3/7	0747	F-B	Amb.	5-350	ш	11		Start Test on Case 1495.
	0947						120	Test Completed. No Visual Damage Observed.
3/7	1024	S-S	Amb.	5-350	ı	¥		Start Test on Case 1495.
	1224						120	Test Completed. No Visual Damage Observed.
3/7	1307	T-B	Amb.	5-350	11	11		Start Test on Case 1495.
	1507						120	Test Completed. No Visual Damage Observed.
		THE PARTY NAMED IN COLUMN TO THE PARTY NAMED						

sine SB - 589A – Rev. 08/06





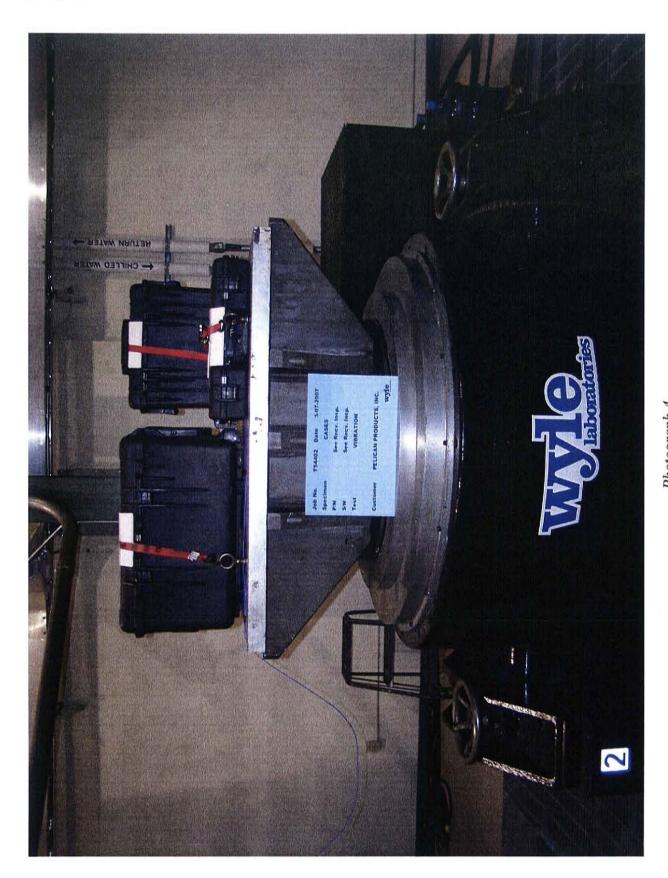




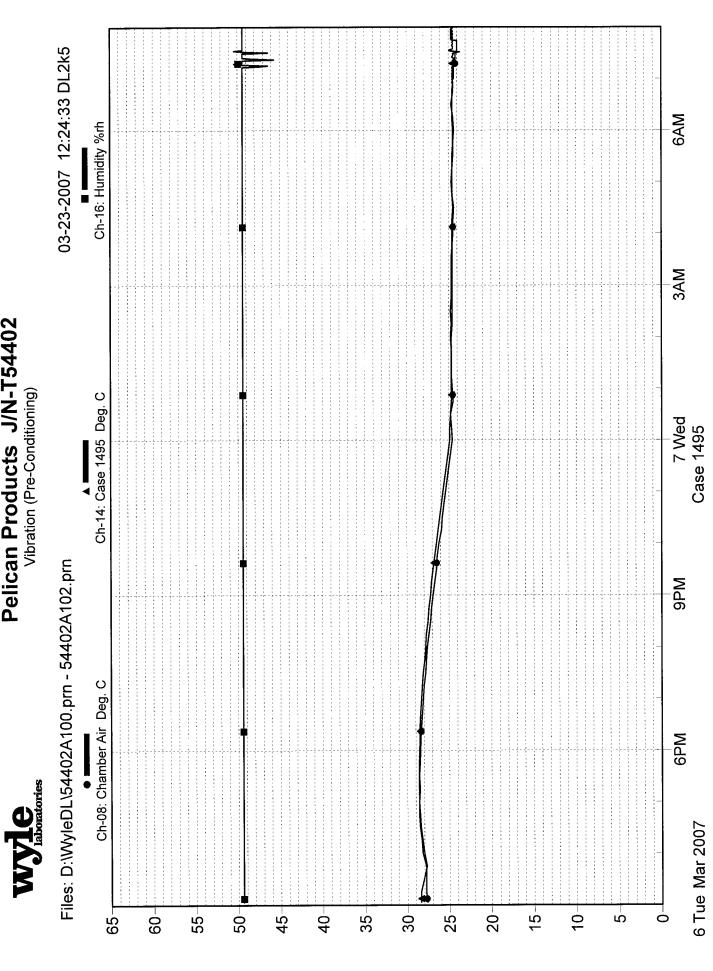








## Pelican Products J/N-T54402 Vibration (Pre-Conditioning)



Wyle Jaboratories

Control channel

Pelican Products, Inc. JN-T54402

Sine

Case 1495

0.77 Oct/min logarithmic 000:07:59 03-07-07 Sweeps req.: 15
Sweep direct.: up
Sweep rate: 0.77 0c
Contr.strat.: Average
Unit: g -- Testing time --Sweep type: Sweeps done: elapsed: remaining: Date: Time: 350 [Hz]100 10 [g 0.01

Front to Back Axis Sine Vibration

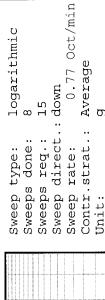
Pelican Products, Inc. JN-T54402

Sine

Case 1495

[g]

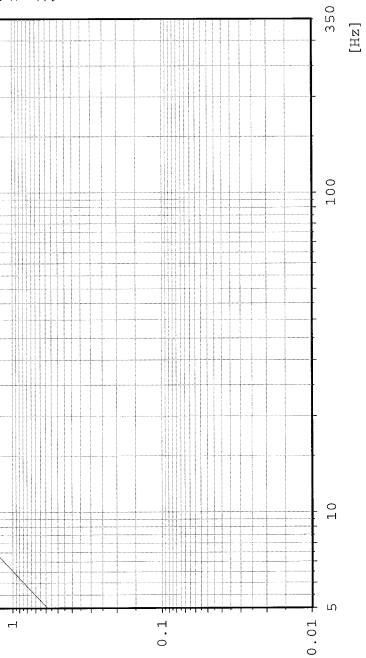












Front to Back Axis Sine Vibration

Pelican Products, Inc. JN-T54402

Sine

Case 1495

<u></u>

Wyle laboratories

logarithmic 15 15 Sweep type: Sweeps done:

0.77 Oct/min Sweeps req.: 15
Sweep direct.: up
Sweep rate: 0.77 Oc
Contr.strat.: Average
Unit: 9

002:00:02 -- Testing time -elapsed: remaining:

Date: Time:

03-07-07

100

350

[Hz]

Front to Back Axis Sine Vibration

10

0.01

C:\VcpNT\Daten\Pelican Products Inc T54402\Sine\_007.rsn

## Sweep direct.:up Sweep rate: 0.77 Oct/min Contr.strat.: Average logarithmic WJE laboratories 000:07:59 001:52:01 03-07-07 -- Testing time --15 Sweep type: Sweeps done: Sweeps req.: elapsed: remaining: Date: Time: Unit: 350 [Hz]100 Control channel Pelican Products, Inc. JN-T54402 10 Case 1495 [g] Sine 0.01

C:\VcpNT\Daten\Pelican Products Inc T54402\Sine\_009.rsn

Side Axis Sine Vibration

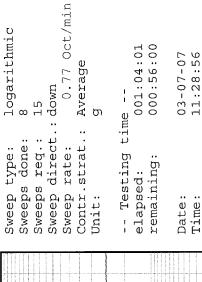
Side to

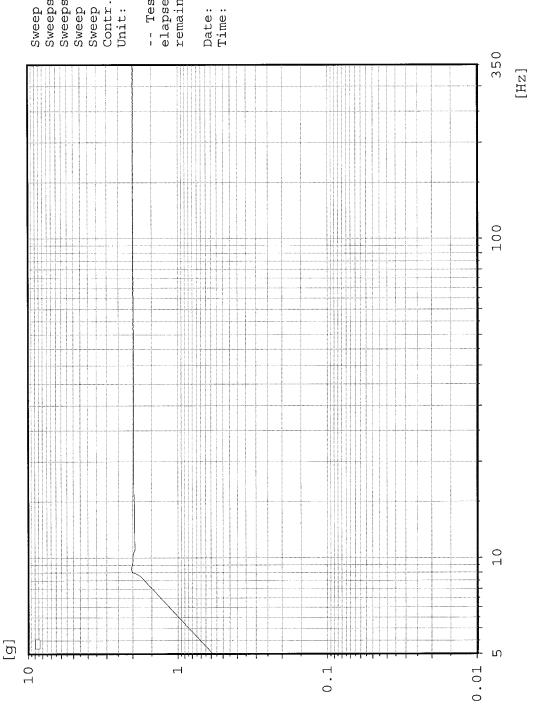
## Wyle Jaboratories Control channel

Pelican Products, Inc. JN-T54402

Sine

Case 1495





Side to Side Axis Sine Vibration

Pelican Products, Inc. JN-T54402

Sine

Case 1495

[g]

10

Wyle laboratories

Sweep direct.:up Sweep rate: 0.77 Oct/min Contr.strat.: Average logarithmic 15 15 Sweep type: Sweeps done: Sweeps req.: Unit:

000:00:000 002:00:02 -- Testing time -elapsed: remaining:

Date: Time:

03-07-07

Side to Side Axis Sine Vibration

0.01

Pelican Products, Inc. JN-T54402

Sine

Case 1495

[g

Wyle Jaboratories

logarithmic 1 Sweep type: Sweeps done:

Sweeps req.: 15
Sweep direct.: up
Sweep rate: 0.77 Oct/min
Contr.strat.: Average
Unit: g

000:07:59 -- Testing time -elapsed:

remāining:

Date: Time:

03-07-07

350 [Hz]100 10 0.01

Top to Bottom Axis Sine Vibration

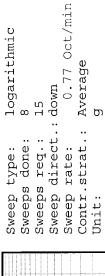
Pelican Products, Inc. JN-T54402

Sine

Case 1495

[g]

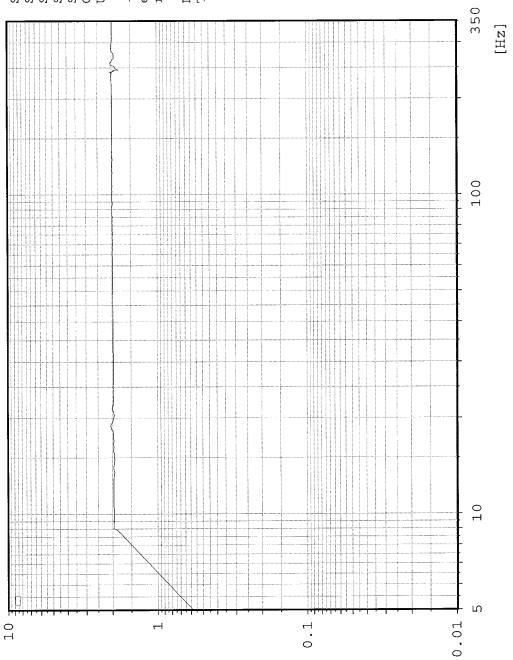












Top to Bottom Axis Sine Vibration

Sine

Wyle laboratories

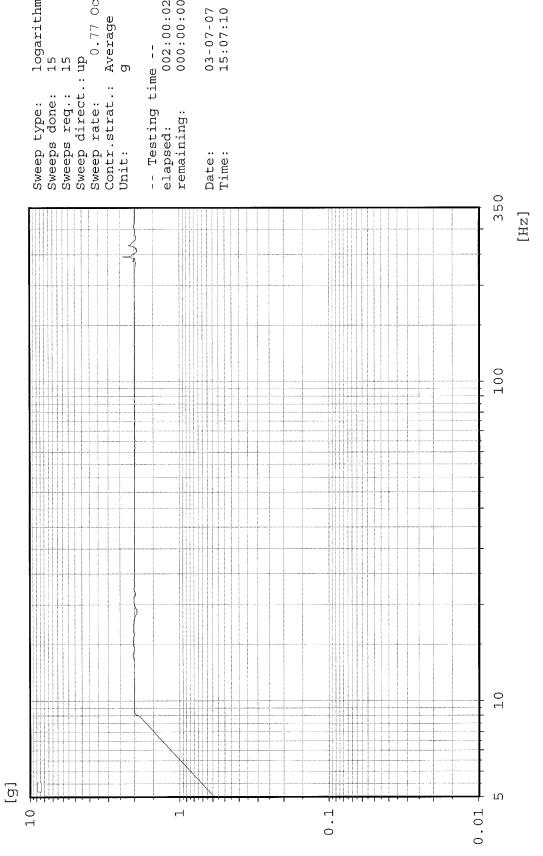
0.77 Oct/min

002:00:02

03-07-07

logarithmic 15 15

Pelican Products, Inc. JN-T54402 Case 1495



to Bottom Axis Sine Vibration Top

TEST TITLE:

Vibration

Job No.: T54402

Date: 03/07/2007

5.8. Technician: S. Buckler

Serial No.: CUSTOMER: Pelican Products, Inc. See Recv. Insp.

Specimen: Case

Part No.:

See Recv. Insp.

Engineer: M. Bovard Mrs 3/30/07

					al IAC	CALIBRATION	
EQUIPMENT	MANUFACTURER	MODEL #	RANGE	WYLE#	LAST	DUE	ACCY.
Accelerometer	Endevco	7704-50	0 to 1,000 g's	W10446	10/10/2006	04/10/2007	5%
Amplifier - Charge	Unholtz-Dickie	D22PM	0 to 1,000 g's	W10673	12/13/2006	06/13/2007	2%
Amplifier - Power	Unholtz-Dickie	SA180	180 KW	W13570	* System	Calibration *	Mfg. Spec.
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 / 0-100%Rh	W50704	* System	Calibration *	Mfg. Spec.
рмм	Hewlett-Packard	34401A	DATA	W12445	06/22/2006	06/22/2007	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.
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.
Oscillator	Tektronix	TDS2002	2 Ch, 60Mhz, 1GS/s	W50749	10/03/2006	10/03/2007	±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.

Vibration TEST TITLE:

Technician: S. Buckler Date: 03/07/2007 Job No.: T54402 CUSTOMER: Pelican Products, Inc. Case Specimen:

See Recv. Insp. Serial No.: See Recv. Insp.

Part No.:

Engineer: M. Bovard 74 3/36/61

MODEL #
0 - 100% rH
1000 lbs.
2 Channels
16 Channels

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.



Test Title Low Temperature Pelican Products, Inc. Customer Job No. T54402 Specimen Case Date Started 3/12/2007 Part No. 1495 Serial No. See Recv. Insp. Date Comp. 3/13/2007 Spec. DEF STAN 81-41 Part3/4 Par. 21 Photo Yes Amb. Temp.  $25 \pm 10^{\circ}$ C

## Requirements:

Temperature:

-40+2°C

Duration:

16±0.5 hours after specimen has reached test temperature or 7 days

 $\pm$  1 hour if time required for the complete package to attain the

temperature cannot be assessed

## Test Method:

Place the test specimen in a test chamber on the face on which it normally is expected to be transported or stored. Install a thermocouple on the test specimen. Decrease the chamber temperature to -40± 2 °C at a rate not to exceed 3 °C per minute. Maintain the chamber at -40± 2 °C for either:

- 1) 16±0.5 hours after specimen has reached test temperature or
- 7 days  $\pm$  1 hour if time required for the complete package to attain the temperature 2) cannot be assessed.

Return the chamber temperature to 20± 10 °C at a rate not to exceed 3 °C per minute.

Perform a visual examination. The package is considered to have failed if it is unserviceable or is affected in any way which would potentially cause the test specimen to become unserviceable.

## **Test Results:**

All testing was performed according to the Test Method and Requirements stated above. No visual evidence of damage was observed upon completion of the test.

Page 1

Tested By

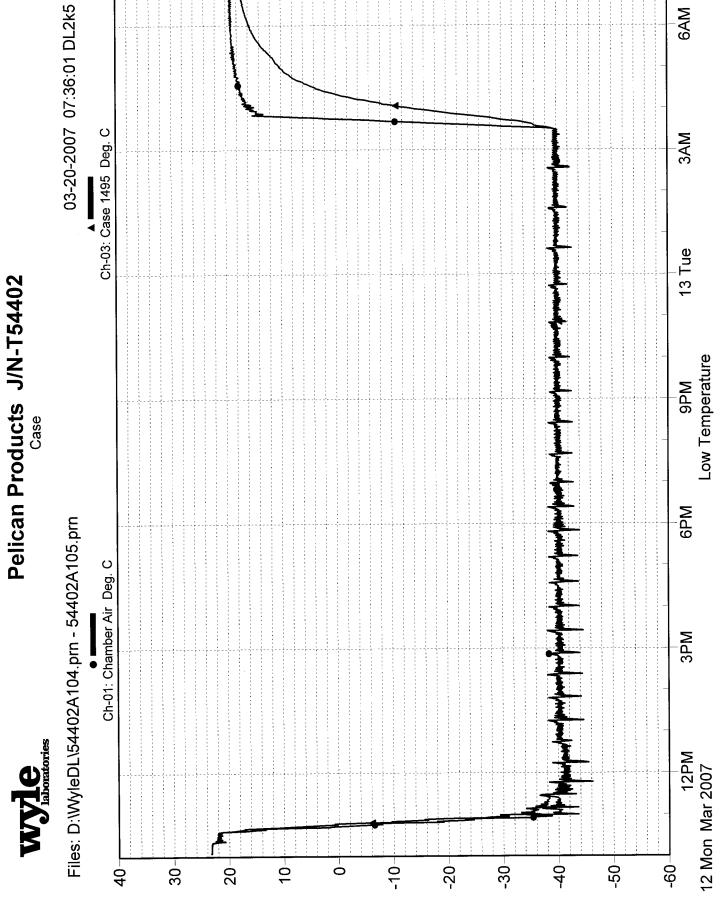
Engineer

SB - 614A - Rev. 8/06





6AM



**Wyle** Jabonatories

TEST TITLE: Low Temperature

Mfg. Spec. Mfg. Spec. Mfg. Spec. ACCY. Engineer: M. Bovard 146 3/36/07 ±2% 3% Calibration \* Calibration \* 11/13/2007 Technician: S. Paysen 11/13/2007 05/13/2007 DUE CALIBRATION Date: 3/12/2007 \* System | 11/13/2006 \* System 11/13/2006 11/13/2006 LAST W14903 W50704 W13690 W11874 W50714 WYLE # -80 to +240°F & Rh / 8' x 8' x 7'10" / CO2 & LN2 -100° to 240°F / 0-100%Rh 20 Channels Volts or TC's Job No.: T54402 10VDC & Type T TC's RANGE See Recv. Insp. 0 - 100% rH Serial No.: 922 / CN9000 MODEL # Chamber 3 HMP13 7700 2700 MANUFACTURER Watlow / Omega CUSTOMER: Pelican Products, Inc. Keithley Keithley Vaisala Bally See Recv. Insp. Chamber - Environmental Case Controller - Chamber EQUIPMENT Multiplexer Module Multimeter/DAS Specimen: Rh Probe Part No.:

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.



	Test Title D	ry Heat		<del></del>	
Custome	Pelican Products, Inc.			Job NoT54	1402
Specime	Case			Date Started	3/13/2007
Part No.	1495	Serial No.	See Recv. Insp.	Date Comp.	3/15/2007
Spec.	DEF STAN 81-41 Part3/4	Par. 14 and 17	Photo Yes	Amb. Temp.	25 ± 10°C

## Requirements:

Pre-Conditioning:

Temperature:  $25 \pm 10$  °C Humidity: 45% to 75%

Duration: 16 hours or until specimen has reached temperature

stabilization (whichever is the shortest period)

Dry Heat Test:

Temperature: 55 ± 2 °C

Humidity: Not to exceed 75% Duration: 48 ±1 hours

Test Method:

Place the test specimen in a test chamber on the face on which it normally is expected to be transported or stored. Install a thermocouple on the test specimen. Maintain the chamber at  $25 \pm 10$  °C and 45% to 75% relative humidity for 16 hours or until the specimen has reached temperature stabilization (i.e. test specimen temperature stable with chamber temperature).

Increase the chamber temperature to  $55 \pm 2$  °C at a rate not to exceed 3 °C per minute. Humidity is not to exceed 75%. Maintain the chamber at these conditions for 48  $\pm$  1 hours.

Return the chamber temperature to  $25 \pm 10$  °C at a rate not to exceed 3 °C per minute. Perform a visual examination. The package is considered to have failed if it is unserviceable or is affected in any way which would potentially cause the test specimen to become unserviceable.

## Test Results:

All testing was performed according to the Test Method and Requirements stated above. No visual evidence of damage was observed upon completion of the test.

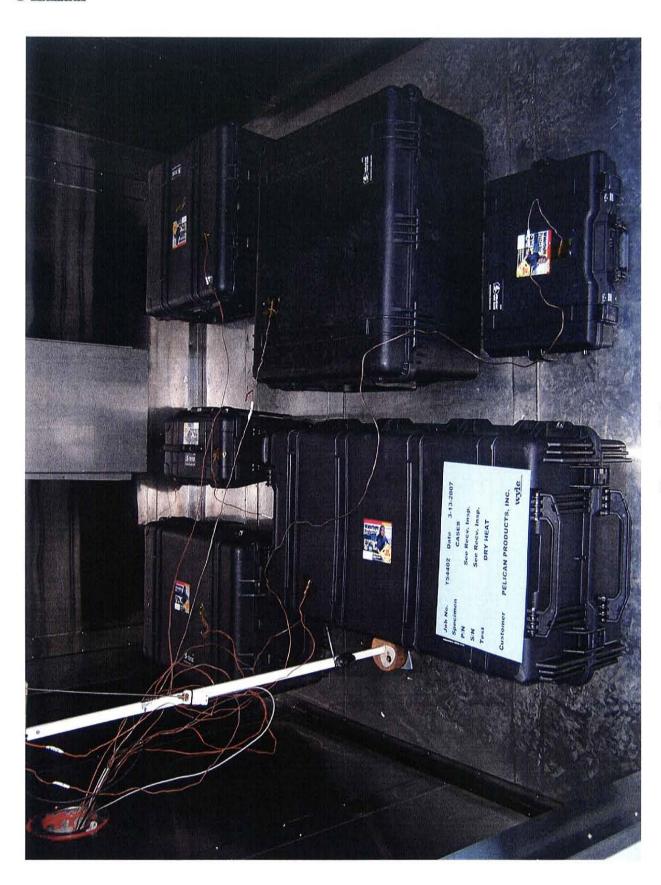
Page 1

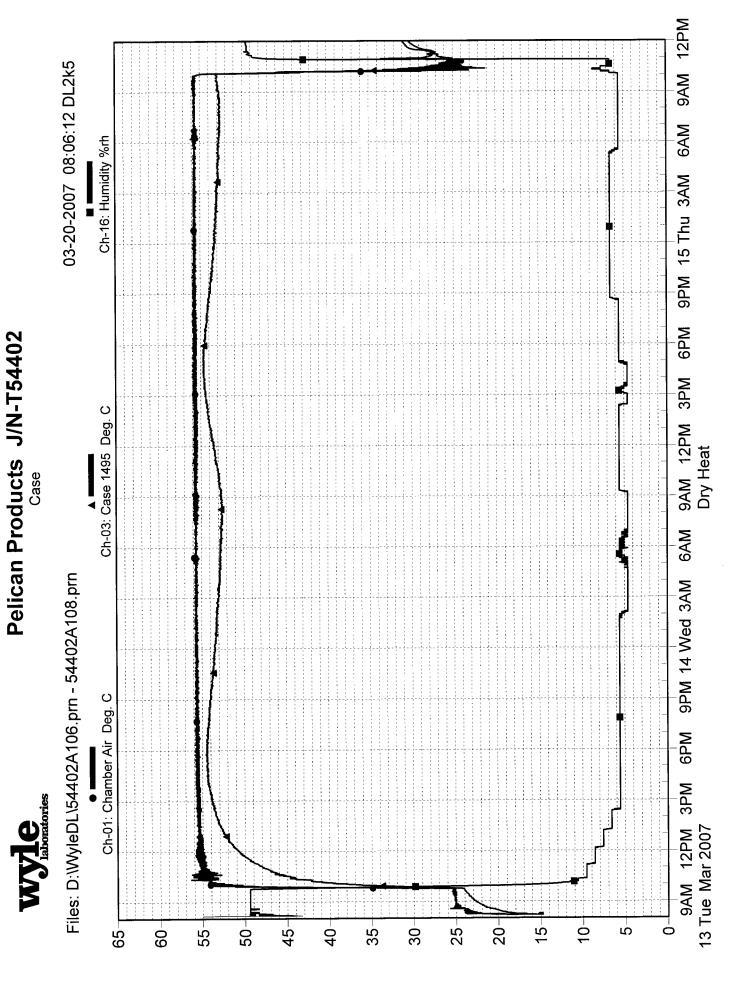
Tested By

Engineer

Wieles Word 3/30/07







Dry Heat TEST TITLE:

Date: 03/13/2007 Job No.: T54402 CUSTOMER: Pelican Products, Inc.

Specimen: Case

See Recv. Insp.

Part No.:

Engineer: M. Bovard 7413 3/3 b/67 Technician: S. Paysen See Recv. Insp. Serial No.:

CALIBRATION	LAST DUE ACCY.	DUE Mf	DUE Calibration * Calibration *	DUE Calibration * Calibration * 11/13/2007	DUE Calibration * Calibration * 11/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration *  11/13/2007  11/13/2007  05/13/2007	DUE  Calibration * 11/13/2007 11/13/2007 05/13/2007	DUE  Calibration * 11/13/2007 11/13/2007 05/13/2007
DUE		Calibration *	Calibration *	Calibration * Calibration *	Calibration * Calibration * 11/13/2007	Calibration * Calibration * 11/13/2007 11/13/2007	Calibration * Calibration * 11/13/2007 11/13/2007 05/13/2007							
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	W50714		W50704											
	-80 to +240°F & Rh / 8' x 8' x 7'10" / CO2 & LN2	1	-100° to 240°F / 0-100%Rh			_	_	_	_	_	_	_	_	_
-80 to +240°F & Rh / 8'	1 2 4 0 0 1 2	-100° to 240°F / 0-100%		10VDC & Type T TC's	10VDC & Type T TC's	10VDC & Type TTC's 20 Channels Volts or To 0 - 100% rH	10VDC & Type TTC's 20 Channels Volts or Ti 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Tr 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Ti 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Tr 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Ti 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Tr 0 - 100% rH	10VDC & Type T TC's 20 Channels Volts or Tr 0 - 100% rH	10VDC & Type TTC's 20 Channels Volts or Tr 0 - 100% rH
						23	63	13	13	13	13	52	13	13
ر يوماند - ا	Cnamber 3	922 / CN9000		2700	2700	2700 7700 HMP13	2700 7700 HMP13	2700 7700 HMP13	2700 7700 1MP13	2700 7700 HMP13	2700 7700 HMP13	2700 7700 	2700 7700 	2700 7700 1MP13
	Ö	922		27(2	27.0	27C 77C	27C 77C HW	27C 777 HIV	27C 77C HM	27C 77C HM	27C 77C	27C 77C HM	27C 77C HM	27C 77C HIM
aliy		Watlow / Omega		Keithley	Keithley	Keithley Keithley Vaisala	eithley eithley aisala	eithley eithley aisala	eithley eithley aisala	eithley eithley aisala	eithley eithley aisala	eithley eithley aisala	eithley aisala	eithley aisala
Bally	,	Watl	Keit		Keitt	Keitt	Keith	Keith	Keith	Keith	Keith	Keith	Keith Vais	Keith Vais
	Chamber - Environmental	Controller - Chamber		Multimeter/DAS	er/DAS er Module	er Module	er Module	er Module	er Module	er Module	er Module	er Module	er Module	er Module
	Chamber -	Controller -	M. Itimotomiti	ואומווווויוםנפויי	Multiplexer Module	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe	Multiplexer Rh Probe

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.



Test Title Impact (Vertical) Job No. T54402 Customer Pelican Products, Inc. Date Started 3/16/2007 Specimen Case Date Comp. Serial No. See Recv. Insp. 3/16/2007 Part No. 1495 Photo Yes Amb. Temp.  $25 \pm 10^{\circ}$ C Spec. DEF STAN 81-41 Part3/4 Par. 14 and 19

## Requirements:

Pre-Conditioning:

Temperature:

25± 10 °C

Humidity:

45% to 75%

Duration:

16 hours or until specimen has reached temperature stabilization (whichever is the shortest period)

## **Test Method:**

Weigh the test specimen.

Place the test specimen in a test chamber on the face on which it normally is expected to be transported or stored. Install a thermocouple on the test specimen. Maintain the chamber at 25± 10 °C and 45% to 75% relative humidity for 16 hours or until the specimen has reached temperature stabilization (i.e. test specimen temperature stable with chamber temperature).

After pre-conditioning:

Immediately after removal from the conditioning chamber perform the following vertical impact test. Drop configurations, as applicable, shall be designated top (1), right side (2), base (3), left side (4), near end (5), and far end (6).

For each test specimen whose weight is up to and including 66 pounds (0-30 kg), drop each test specimen once onto its designated base and all perpendicular and parallel faces onto a non-deformable surface at a height of 39.4  $\pm$  0.2" (1000  $\pm$  5 mm).

Perform a visual examination. Any malfunction of the fittings and hardware (seals, closures, hinges, handles, etc.) and any damage to or spillage of the package contents shall constitute a failure of the specimen. Minor visible deterioration of the test specimen shall be noted but does not necessarily constitute failure of the test specimen.

## Test Results:

All testing was performed according to the Test Method and Requirements stated above. No visible evidence of damage was observed following testing other then as noted. Note that during the top impact the right side and left side clips popped open. During the near end impact the two near end clips popped open and the combination locking latch screws stripped out of the lid (see following data sheet and photographs for details).

Page 1

Tested By

Engineer

Wilnes Borns

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Test Title	Impact			Date 3/16/2007
Customer	Pelican Products, Inc.			<b>Job No.</b> T54402
Specimen	Case			Technician S. Paysen Speliefe
Part No.	1495	Serial No.	See Recv. Insp.	Engineer M. Bovard 4m/5 3/36/07

DATE	TIME	CONFIGURATION	HEIGHT	COMMENTS
				Case # 1495
3/16	0909	Base	39.4"	No damage observed
	0915	Тор	39.4"	Right side and left side clips
				popped open, lid did not open
	0922	Right Side	39.4"	No damage observed
	0924	Left Side	39.4"	No damage observed
	0928	Near End	39.4"	Two near end clips popped open,
				combination lock latch stripped,
J 4, 8 T 1				lid did not open
	0935	Far End	39.4"	No damage observed
	-			
	-			
			<del></del>	

Drop-ds

Sheet \_ 1 \_ of \_ 1

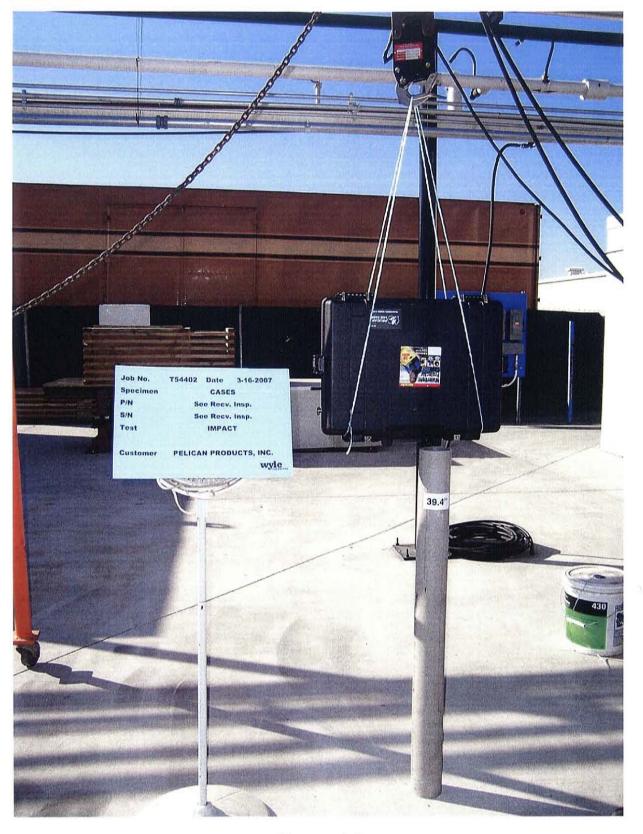


Photograph 7 Impact Test Setup and Side Labels (Base Impact)



Photograph 8 Impact Test Setup (Right Side Impact)





Photograph 9 Impact Test Setup (Near End Impact)



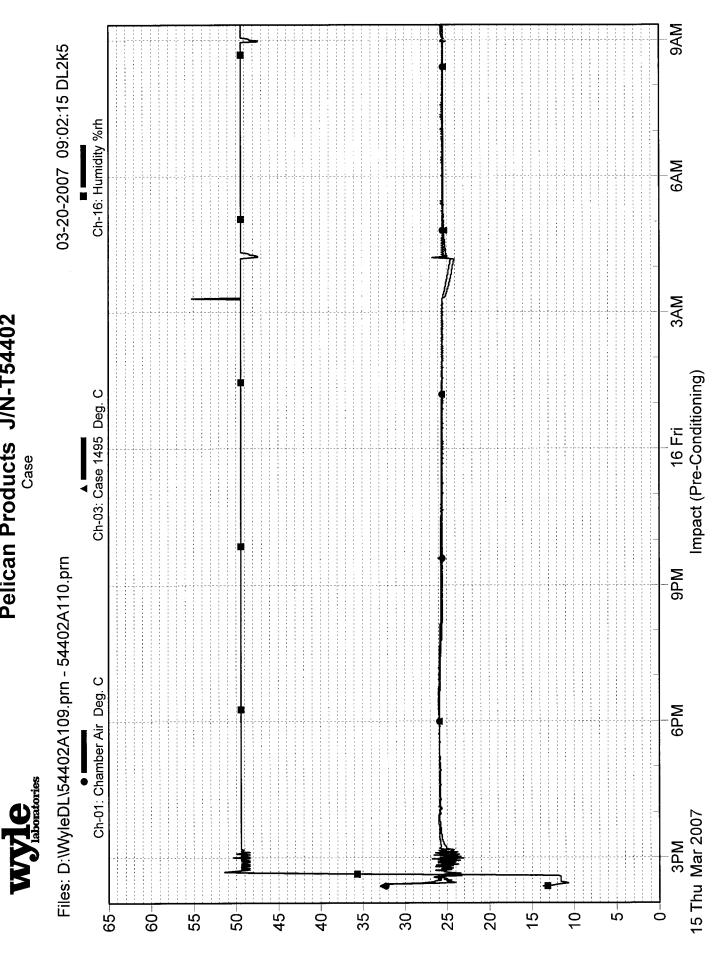
Photograph 10
Post Near End Impact - Stripped Locking Latch





Photograph 11
Post Near End Impact – Stripped Locking Latch





Wyle Inhoratories

TEST TITLE: Impact

Mfg. Spec. Engineer: M. Bovard 7448 3/30/07 ACCY. Calibration \* Technician: S. Paysen DUE CALIBRATION Date: 03/15/2007 \* System LAST W31220 WYLE # Job No.: T54402 See Recv. Insp. RANGE 72 Inch Serial No.: MODEL # C416R MANUFACTURER CUSTOMER: Pelican Products, Inc. Starrett See Recv. Insp. Case EQUIPMENT Specimen: Steel Rule Part No.:

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.