



# REPORT

3933 US ROUTE 11    CORTLAND, NEW YORK 13045

Order No. G100523794

Date: October 28, 2011

REPORT NO. 100523794CRT-001

TEST OF A FLASHLIGHT, MODEL: 3765

RENDERED TO

PELICAN PRODUCTS  
23215 EARLY AVENUE  
TORRANCE, CA 90505

TEST:                      Mechanical shock testing was requested by the client.

AUTHORIZATION:                      The tests were authorized by quote no. Q500333163

SPECIFICATION:                      NATIONAL FIRE PROTECTION ASSOCIATION, NFPA, 1901 Automotive Fire Apparatus.

DESCRIPTION OF SAMPLE:                      The client supplied one sample. The sample was received by Intertek on October 4<sup>th</sup>, 2011 and tested as received. Sample designation number is T11V001.

DATE OF TEST:                      October 17<sup>th</sup>, 2011.

Sample	Specification	Result
T11V001	NFPA, 1901	Pass

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EQUIPMENT LIST

Equipment Used	Model Number	Control Number	Calibration Due Date
Vibration Controller	UDC	V254	1/14/12
Signal Conditioner	CVA-4	V272	12/16/11
Accelerometer	10B10T	N831	4/13/12
Torque wrench	DM70NM	N580	5/11/12

TEST, TEST METHOD, AND RESULTS OF TEST

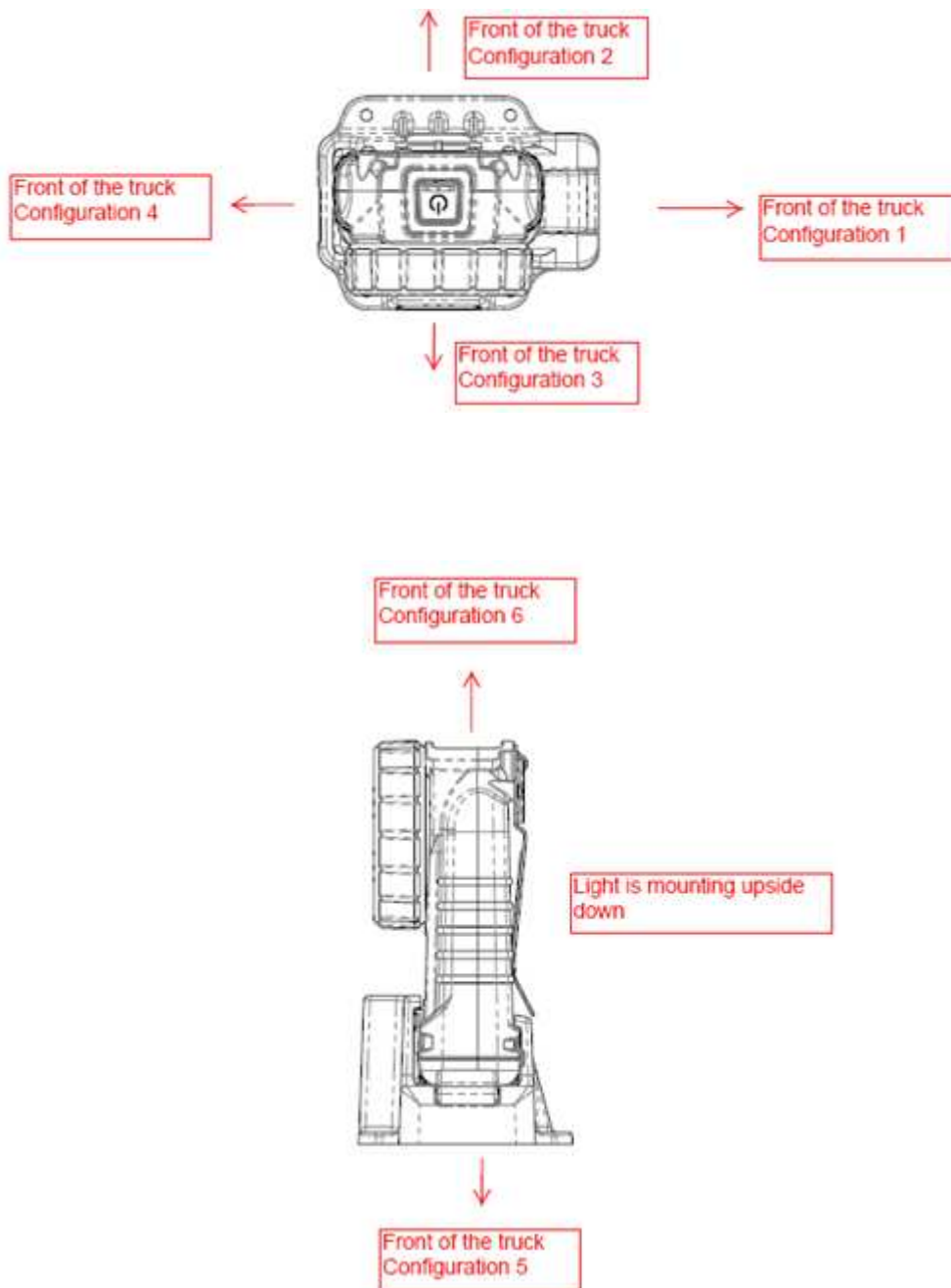
MECHANICAL SHOCK TEST: NFPA, 1901 Automotive Fire Apparatus:

Test Procedure:

The test sample was mounted in design orientation. The test fixture was rigidly secured to a vibration exciter. The test sample was subjected to a 11ms half sine shock pulse in the three mutually perpendicular axes. The NFPA standard calls for a 9 G force to be applied in the longitudinal axis of the vehicle and a 3 G force to be applied to any other direction. It was determined by Intertek that a 9 G force be applied in all directions in order to meet the requirements of the standard for all possible mounting configurations in the vehicle.

Mounting Configuration	g-pk	Number of pulses	Width (ms)	Type
1	9g	3-, 3+	11ms	Half Sine
2	9g	3-, 3+	11ms	Half Sine
3	9g	3-, 3+	11ms	Half Sine
4	9g	3-, 3+	11ms	Half Sine
5	9g	3-, 3+	11ms	Half Sine
6	9g	3-, 3+	11ms	Half Sine

TEST, TEST METHOD, AND RESULTS OF TEST, Cont'd:





TEST, TEST METHOD, AND RESULTS OF TEST, Cont'd:

Results:

The test sample showed no signs of visible damage throughout testing. The test sample remained attached to the vehicle mounting device throughout the testing and maintained physical and electrical integrity.

In Charge Of Tests

A handwritten signature in black ink that reads "John C. Robins".

John Robins  
Technician I  
Lighting Division

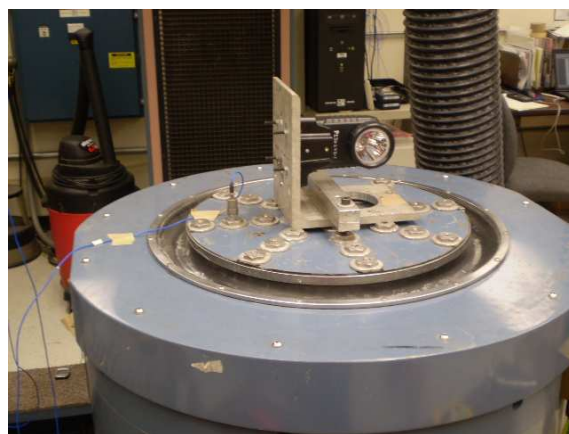
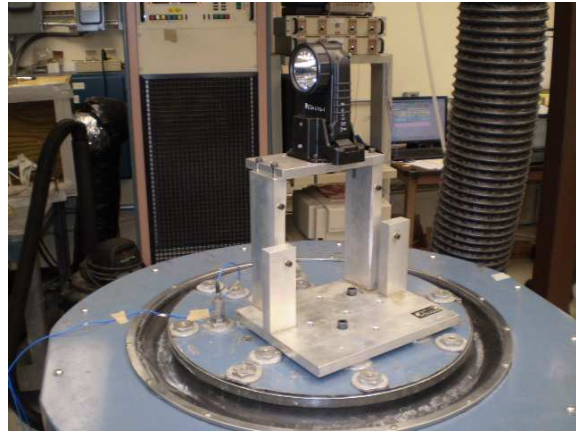
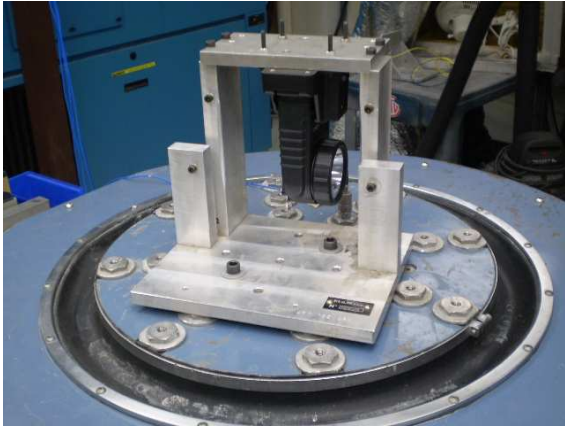
Report Reviewed By:

A handwritten signature in black ink that reads "Jeremy N. Downs".

Jeremy N. Downs, P.E.  
Engineering Team Leader  
Lighting Division

Attachment: Picture page.  
Mechanical shock plot page.

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TESTED FOR PELICAN PRODUCTS.



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