



# REPORT

3933 US ROUTE 11    CORTLAND, NEW YORK 13045

Order No. 3196092

Date: December 3, 2009

REPORT NO. 3196092CRT-001

TEST OF A FLASHLIGHT, MODEL: 9410

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. Q500157919

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 November 24<sup>th</sup>, 2009 and tested as received. Sample designation number is N09V035.

DATE OF TEST: December 1<sup>st</sup>, 2009.

Sample	Specification	Result
N09V035 Configuration 1	NFPA, 1901	Pass
N09V035 Configuration 2	NFPA, 1901	Pass

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EQUIPMENT LIST

Equipment Used	Model Number	Control Number	Calibration Due Date
Vibration Controller	UDC	V254	09/18/2010
Signal Conditioner	CVA-4	V252	11/20/2010
Accelerometer	10B10T	V253	08/18/2010
Accelerometer	10B10T	V255	08/18/2010
Torque wrench	DM70NM	N580	04/15/2010

TEST, TEST METHOD, AND RESULTS OF TEST

MECHANICAL SHOCK TEST: NFPA, 1901 Automotive Fire Apparatus:

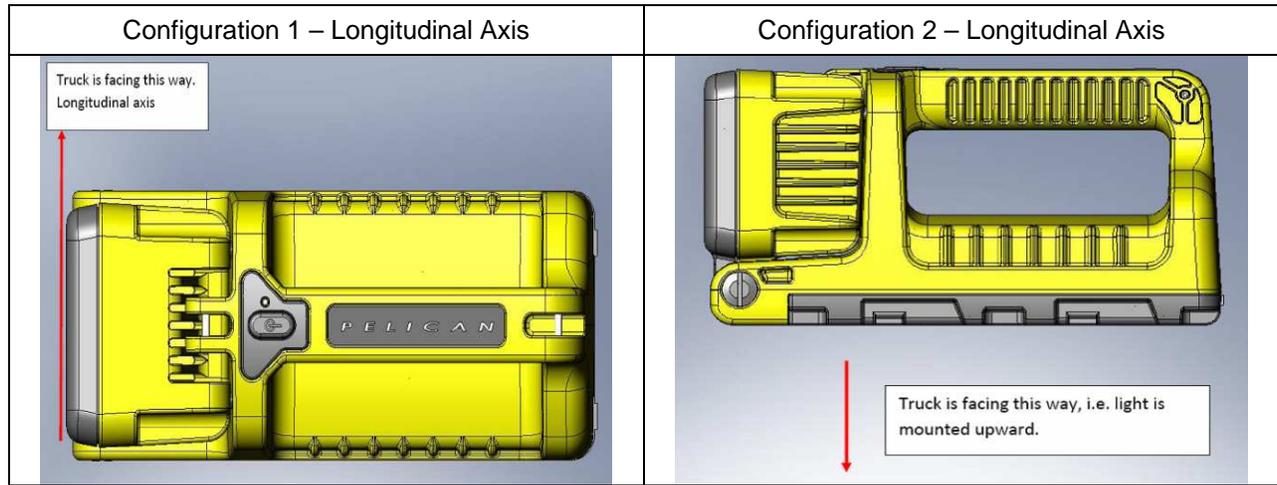
Test Procedure:

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 for configuration 1 and configuration 2.

Axis	g-pk	Number of pulses	Width (ms)	Type
Longitudinal	9g	3+, 3-	11ms	Half Sine
Horizontal	3g	3+, 3-	11ms	Half Sine
Vertical	3g	3+, 3-	11ms	Half Sine



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



Results:

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

In Charge Of Tests

Peter Leshkiv  
Technician I  
Lighting Division

Report Reviewed By:

Christopher W. Metcalf  
Project Engineer  
Lighting Division

Attachment: Picture page.  
Mechanical shock plot page.

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