SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ACOUSTICS & VIBRATION

Valid To: December 31, 2012 Certificate Number: 0767.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following acoustics & vibration tests on Military, Aerospace, Automotive and Commercial Products:

Vibration (Sine, Random, Sine on Random, Gunfire, Shipboard, Seismic)
Combined Environments and Reliability (Temperature, Humidity and Vibration)
Classical Shock (Half Sine, Sawtooth, Trapezoidal Wave)
Pyroshock
Airborne and Structure Borne Noise Measurements

Test Technology:	**Maximum Capability:**
Vibration	
Random	
Force Rating	40,000 lbf
Frequency Range	(1 to 3,000) Hz
Maximum Level	200 g's
Displacement	2 inches Peak-to-Peak
Sinusoidal	
Force Rating	40,000 lbf
Frequency Range	(1 to 3,000) Hz
Sine Velocity Continuous Duty	125 in/sec
Sine Velocity Intermittent Duty	135 in/sec
Maximum Level	200 g's
Displacement	2 in Peak-to-Peak

**Also using combined environment Sine on Random using the above parameters*

Classical Shock	
Force	80,000 lbf
Waveforms	Sine, Sawtooth, Trapezoid
Level	(600 to 3,000) g's

Test Technology:	**Maximum Capability:**
Pyroshock	
Level	(5,000 to 32,000) g's
Frequency Range	(100 to 10,000) Hz
Displacement	2 inches Peak-to-Peak
Seismic	10 ½ inches
Airborne and Structure Borne Noise Movements	

Testing Criteria:	**Specification(s):**
Airborne And Structure Borne Noise Measurement	MIL-STD 740-1; MIL-STD 740-2
Acceleration (Centrifuge)	MIL-STD 810C, Method 513.2; MIL-STD 810D, Method 513.3; MIL-STD 810E, Method 513.4; MIL-STD 810F, Method 513.5; MIL-STD 202G, Method 212A; RTCA/DO-160E
Pyro Shock	MIL-STD 1540; MIL-STD 810F, Method 517
Shock Test, High Impact on Shipboard Machinery, Equipment and Systems	MIL-S 901D LWH and MWH; MIL-STD 202G, Method 207B
Vibration	MIL-STD 810C, Method 514.2; MIL-STD 810D, Method 514.3; MIL-STD 810E, Method 514.4; MIL-STD 810F, Method 514.5; MIL-STD 202G, Methods 201A, 204D and 214A; RTCA/DO-160E (Section 8); RTCA/DO-160F (Section 8)
Gunfire Vibration, Aircraft	MIL-STD 810C, Method 519.2; MIL-STD 810D, Method 519.3; MIL-STD 810E, Method 519.4; MIL-STD 810F, Method 519.5
Random Drop	MIL-STD 202G, Method 203C
Shock	MIL-STD 202G, Method 213B
Operational Shock and Crash Safety	RTCA/DO-160E (Section 7); RTCA/DO-160F (Section 7)
Shipboard Vibration	MIL-STD 167-1; MIL-STD 167-1A
Sinusoidal Vibration Testing During Operation	IEC 60068-2-6: 2007-12, Edition 7.0
Shock Testing During Operation	IEC 60068-2-27: 2008-02, Edition 4.0

The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

DAYTON T. BROWN, INC.

Bohemia, NY

for technical competence in the field of

Acoustics and Vibration Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 4th day of May, 2011.

President & CEO
For the Accreditation Council
Certificate Number 0767.01
Valid to December 31, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration Scope of Accreditation.