



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

VIBRATION FATIGUE LABORATORY  
102 Haller Street  
Wood River, IL 62095  
Jim Dumas Phone: 618 254 5552  
Email: jim.dumas@vflaboratory.com

ACOUSTICS AND VIBRATION

Valid To: February 29, 2020

Certificate Number: 3973.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Industries Types: Aerospace, Military/Defense, Commercial Product, Industrial Product, Automotive and Heavy-Duty Engine Components and Product Types: Exhaust Manifold, Fuel Rails, Oil Filters, Marine Engine Frontends, electronic boards and various other components.

**Test Type/Test Parameters<sup>1</sup>**

**Test Method(s)**

Vibration and Mechanical Shock

MIL-STD-810C (Methods 514.6 and 527);  
GMW3172

Vibration Tests – Simultaneous 3-Axis/Multi Shaker, X-Y-Z with Conventional Slip-Table

MIL-STD-167-1A, Type1;  
RTCA-DO-160G

Random, Sine, Sine-on-Random, Resonance search/Dwell, Multi-Input/Output (MIMO)

Vibration Frequency: (3-3,500) Hz

Displacement: 90mm (3.5in.)

Mechanical Shock: up to 75G's; 20 ms duration  
Sine, Half-Sine, Trapezoidal, Sawtooth,  
Terminal Peak, Transient, RSTD

GMW3172;  
MIL-STD-810G (Method 516.6);  
RTCA-DO-160G

Combined Environments (Vibration at Temperature/Humidity)

GMW3172

Temperature: (-70 to 150) °C

Relative Humidity: (20 to 98) %RH

<sup>1</sup> Also using customer specific test methods utilizing any combination of test equipment parameters listed above.



## *Accredited Laboratory*

A2LA has accredited

### **VIBRATION FATIGUE LABORATORY**

*Wood River, IL*

for technical competence in the field of

*Acoustics and Vibration Testing*

# Withdrawn

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 April 2017).



Presented this 19<sup>th</sup> day of June 2018.

A handwritten signature in black ink, appearing to read "L. Sen", written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3973.01  
Valid to February 29, 2020

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