



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DETROIT, LLC
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MECHANICAL

Valid To: May 31, 2027

Certificate Number: 0098.09

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, as well as the satellite laboratory listed below, to perform the following tests on automotive components (brackets, structural members, suspension components, seats, body panels and interior parts): Fatigue durability simulation, static and dynamic testing utilizing the following methods and techniques:

<u>Test and Test Parameters:</u>	<u>Test Method(s)/Standard(s):</u>
<u>Axial and Bending, Monotonic Testing</u> ¹ Force: up to 100 000 lbf. Displacement: up to 12 in. In Possible Environmental Conditions of (-40 to 180) °F	RBA 245 (Axe Tech)
<u>Axial and Bending, Fatigue Testing</u> ¹ Force: up to 100 000 lbf. Displacement: up to 12 in. In Possible Environmental Conditions of (-40 to 180) °F	SAE J684
<u>Torsional, Monotonic and Fatigue Testing</u> ¹ Up to 8 000 ft·lbf, 20 000 RPM, and 50 HP In Possible Environmental Conditions of (-40 to 180) °F	SOP-TR-PR-001
<u>Environmental</u> ¹ Temperature: (-40 to 180)°F using Various Chambers	CEPT 01-03-L-311
<u>Static Testing</u> ¹ Static Bending and Torsion Displacement: Up to 2 in. Force application: Up to 11 000 lbf. Up to 64 Channels Acquisition (+/- 10 V)	GMW-3067, GMW7699

<u>Test and Test Parameters:</u>	<u>Test Method(s)/Standard(s):</u>
<u>Multi-Axis Simulation Table(s) (MAST)</u> ¹ Up to 50 Hz Bounce, Vertical, Pitch, Roll, Yaw, Lateral and Longitudinal Inputs	DVM 0009-ST
<u>Vehicle and Laboratory Data Acquisition</u> ² <u>Four Post (Wheel) Road Simulation</u> ¹ Up to 50 Hz Up to 55 kip Actuators	SOP-TR-PR-002 SOP-TR-PR-003
<u>Spindle-Coupled Road Simulation (329 LT)</u> ¹ Up to 50 Hz	SOP-TR-PR-004
<u>Spindle-Coupled Road Simulation (329 PC)</u> ¹ Up to 50 Hz	SOP-TR-PR-005

¹Also using customer supplied test methods, or methods developed by the lab and approved by the client, within the parameters listed above.

²This laboratory performs field testing activities for these tests.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY DETROIT, LLC

Troy, MI

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 20th day of June 2025.

A blue ink signature of the name "Mr. Trace McInturff".

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0098.09
Valid to May 31, 2027

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.