



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SMITHERS  
Ravenna Laboratory  
1150 North Freedom Street  
Ravenna, OH 44266  
Juno Xo Phone: 330 762 7441

MECHANICAL

Valid To: March 31, 2026

Certificate Number: 0363.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on vehicles and automotive components and systems:

<u>Test:</u>	<u>Test Method(s):</u>
<b>Durability and Endurance Testing</b>	
Tire Endurance	ASTM F551; CMVSS -109, -119, -139; NOM -016, -086; FMVSS -109, -119, -139, -575.104 (Temperature Resistance); ECE Regulation 30, 54, 106, 108, 109
Tire High Speed Durability	ASTM F551; CMVSS -109, -119, -139; FMVSS -109, -119, -139; NOM -016, -086; SAE J1561
Tire Strength (Plunger)	ASTM F414; CMVSS -109, -119; FMVSS -109, -119, -139; NOM -016, -086
Tire Burst (Pressure & Pump Gage)	ECE Regulation R106
Tire Bead Unseating	CMVSS -109; FMVSS -109, -139; NOM -086
Wheel Fatigue (Radial and Cornering)	ABNT NBR 6750, 6751, 6752; SAE J267, J328, J1204, J1992, J2530
Wheel Fatigue (Impact)	ABNT NBR 6752; SAE J175, J2530

**Test:**

**Performance Testing**

Ply-Steer Residual Aligning Torque

Rolling Resistance

Tire Force and Moment  
Measurement / Characterization (Cleat)

Tire Force and Moment  
Measurement / Characterization (Stiffness)

Tire Contact Footprint Characteristics and  
Dimensions (Images and Force)

Tire Physical Characteristics and Dimensions

Revolutions per Kilometer (RPK)

**Test Method(s):**

Ford CETP 04.04-L-414; SAE J1988

SAE J1269, J2452;  
ISO 18164, 28580;  
ECE Regulation R117 Annex 6

SAE J2730, J2731

SAE J2704, J2705, J2718

ASTM F870; ECE Regulation 106

ASTM F1502; ECE Regulation 30, 54, 108, 109;  
FMVSS-109, -139; CMVSS-109, -139;  
SAE J2717

GMW14999





# Accredited Laboratory

A2LA has accredited

**SMITHERS**

*Ravenna, OH*

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 3<sup>rd</sup> day of June 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0363.03  
Valid to March 31, 2026

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