



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

F&M CO. LTD. PARTNERSHIP AND F&M PRIME CO. LTD. PARTNERSHIP  
 1150 N. Freedom Street  
 Ravenna, OH 44266  
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MECHANICAL

Valid to: March 31, 2024

Certificate Number: 0363.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on tires:

<u>Test:</u>	<u>Test Method:</u>
Ford:	
Belt Break-In	Measurement of Flat Track Belt Surface Friction Rev. 4/14/05, Ford Motor Company
Standard Lateral Sweep	CETP 04.04-L407, Ford Motor Company
High Angle Lateral Sweep	CETP 04.04-L408, Ford Motor Company
Longitudinal Sweep	CETP 04.04-L409, Ford Motor Company
Combined Sweep	CETP 04.04-L410, Ford Motor Company
Static Torque	CETP 04.04-L412, Ford Motor Company
Variable Lateral Sweep	CETP 04.04-L415, Ford Motor Company
Brake Sweep	CETP 04.04-L419, Ford Motor Company
F&M:	
RSAT Best Method	SAE J1988
Control Tire	SAE J1988

**F&M Equipment Capability**

**Operating Capabilities for End-Level, Steady State, and Dynamic Tests<sup>1</sup>:**

Equipment Capabilities and Parameters	Capacity		Control Accuracy
	Minimum	Maximum	
Tire Inflation Pressure	N/A	700 kPa	± 5 kPa
Roadway Speed	± 5 km/h	± 250 km/h	± 1 km/h
Slip Angle Range	-30 °	+30°	± 0.01°
Applied Normal Force	N/A	25,000 N	± 250 N*
Spindle Drive Torque	0 Nm	± 2000 Nm At 900 RPM	± 20 Nm
Spindle Drive Speed	0 RPM	± 1300 RPM	± 13 RPM
Test Cell Temperature	22 °C	26 °C	± 2.0 °C

\* Note: The Fy Load Cell Capacity limits the Applied Normal Force at higher Slip Angles.

**Force and Moment Measurement Capabilities for End-Level, Steady State, and Dynamic Tests:**

<b>Measured Forces and Moments</b>	<b>Maximum Capacity</b>	<b>Control Accuracy</b>
Fx – Longitudinal Force	10,000 N	± 1% of Full-Scale Range
Fy – Lateral Force	15,000 N	± 1% of Full-Scale Range
Fz – Normal Force	25,000 N	± 1% of Full-Scale Range
Mx – Overturning Moment	10,000 Nm	± 1% of Full-Scale Range
Mz – Aligning Torque	1,000 Nm	± 1% of Full-Scale Range
Ts – Spindle Torque	2,000 Nm	± 20 Nm

*<sup>1</sup>This laboratory also uses customer supplied specifications and/or methods directly related to the testing technologies and parameters listed above.*



## Accredited Laboratory

A2LA has accredited

### F&M CO. LTD. PARTNERSHIP AND F&M PRIME CO. LTD. PARTNERSHIP

*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 27<sup>th</sup> day of April 2022.

A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0363.04  
Valid to March 31, 2024

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