



General Motors Company

Tire-Wheel System

Test Improvement Process Accreditation AN-0358

August 16, 2017

Standard Testing Laboratories

1845 Harsh Avenue, Southeast
Massillon, Ohio 44646
USA

Dear Mr. Tim Dietz (<tdietz@stllabs.com> or +1 330-833-8548),

General Motors Corporation has reviewed Standard Testing Laboratories (STL) Massillon facility correspondence with respect to GM's Global Test Improvement Process (TIP) for:

1. Wheel Rotary Bending Fatigue Test: General Motors Worldwide Test Procedure (GMW), GMW14341,
2. Wheel Radial Fatigue Test: GMW14909, and
3. Wheel Lateral Impact Test: GMW14910.

STL Massillon facility has shown competence in Rotary and Radial Fatigue testing, as well as Impact testing. Therefore, STL Massillon facility has been granted validation testing approval for Original Equipment Manufacture of wheels supplied to GM.

Laboratory accreditation extension is in effect until **February 28, 2019** and is granted for laboratory test areas listed below:

- 1. Wheel Rotary Bending Fatigue Test GMW14341**
 - a) Station: #111 (Manufacturer: STL, USA).
(Note: For test load above 200 LB times shaft length.)
- 2. Wheel Radial Fatigue Test, GMW14909**
 - a) Stations: #112& #113 (Manufacturer: STL, USA).
(Note: Station #112 for test load above 890 LB.)
- 3. Wheel Lateral Impact Test, GMW14910**
 - a) Station: #95 (Manufacturer: STL, USA).

As an integral member of our TIP effort, we appreciate and encourage your continuing support. Please place this document at each test station approved by this document. Additionally, please send all calibration information 60 days prior to the expiration of this accreditation certificate. Each station shall be calibrated every 6 months unless otherwise directed. All calibration errors greater than $\pm 2.5\%$, shall be identified to the issuer of this document within 30 days of the date on calibration.

The testing procedures are available for purchase through "IHS" (<https://global.ihs.com/>). The procedures are described as:

1. Wheel Rotary Bending Fatigue Test, General Motors Worldwide Test Procedure (GMW): GMW14341,
2. Wheel Radial Fatigue Test, GMW14909, and
3. Wheel Lateral Impact Test, GMW14910.

Please, do not hesitate to contact Yantao You at +86 (21) 2898-7027 or <yantao.you@gm.com> if you have further questions or concerns.

Thank you, for your participation with General Motors in the Wheel TIP process.

Yantao You
GM Global Tire & Wheel Systems