



# GENERAL MOTORS

## Tire-Wheel Systems Test Improvement Process Accreditation AN-0431 June 28, 2020

**Super Alloy Industrial Co., Ltd**  
Yun-Lin Science & Technology Park  
#80, Sec. 3, Yun-Ko Road  
Dou Liu, Yun-lin County 640, Taiwan

Dear Mr. Vincent Cai (<[vincent.cai@superalloy.tw](mailto:vincent.cai@superalloy.tw)>),

General Motors Company has reviewed Super Alloy Industrial Co., Ltd, at Yun-lin, Taiwan facility by correspondence with respect to GM's 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.

Super Alloy Industrial Co., Ltd, at Yun-lin, Taiwan facility has shown competence in Rotary Fatigue, Radial Fatigue and Impact testing. Therefore, Super Alloy Industrial Co., Ltd, at Yun-lin, Taiwan facility has been granted validation-testing approval for Original Equipment Manufacturer (OEM) wheels supplied to GM.

This laboratory accreditation extension is in effect until **June 30, 2022** and is granted for laboratory test areas listed as below:

- 1. Wheel Rotary Bending Fatigue Test GMW14341**
  - a) Station: B-2TE-A (Rotating wheel type; Manufacturer: King Swen Sheng).
- 2. Wheel Radial Fatigue Test, GMW14909**
  - a) Stations: V-8TD Left & Right (Manufacturer: King Swen Sheng).
- 3. Wheel Lateral Impact Test, GMW14910**
  - a) Station: #S-1308 (Manufacturer: King Swen Sheng).

**Note:** The above station IDs shall be reflected as strictly same as that in the testing report(s) submitted to GM.

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,
3. Wheel Lateral Impact Test, GMW14910,
4. Wheel Inboard Flange Vertical Impact Test, GMW15321, and
5. Biaxial Wheel Fatigue Test: GMW14340.

Please, do not hesitate to contact Yantao You at [+86 139 1682 4194](tel:+8613916824194) or <[yantao.you@gm.com](mailto:yantao.you@gm.com)> if you have further questions or concerns.

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

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Yantao You  
Global Wheel TIP Lead  
GM Tire & Wheel Systems