



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AMAC ENTERPRISES
5909 West 130th Street
Parma, OH 44130
Bryan Goldberg Phone: 216 362 1880

MECHANICAL

Valid To: August 31, 2020

Certificate Number: 1153.01

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

<u>Test</u>	<u>Test Method(s)²</u>
Hardness (Rockwell A, B, C, 15N, 30N)	ASTM E18, F606/F606M; SAE J417, J429, J995; ISO 898-1
Microhardness (Vickers) (500 gf)	ASTM E384
Tensile (Axial, Wedge)	ASTM F606/F606M; ISO 898-1; SAE J429
Stress Durability (Hydrogen Embrittlement)	Chrysler PS-9500; Ford WSS-M99A3-A; SAE/USCAR-7
Decarburization	ASTM E1077, F2328; SAE J121, SAE J121M (superseded 2013) ¹ ; ISO 898-1
Coating Thickness by Metallography	ASTM B487
Coating Thickness by X ray	ASTM B568
Coating Thickness by Magnetic Induction	ASTM B499
Torque Tension	Ford WZ100, WZ101; GM9064P (superseded 2012) ¹ ; SAE J174, J174M; SAE/USCAR-11
Salt Spray	ASTM B117; GM4298P (superseded 2010) ¹ ; ISO 9227; SAE/USCAR-1
Discontinuities	ASTM F788, F812; Chrysler PF-5188; SAE J122, SAE J123 (withdrawn 2012) ¹ , SAE J1061 (withdrawn 2012) ¹

¹ This laboratory's scope contains withdrawn, superseded, or inactive methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

² The laboratory is accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications noted; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications. Inclusion of these material specifications on this Scope also does not confer accreditation for every method embedded within the specification. Only the methods listed above on this Scope are accredited.

Material Specifications

GM260M (superseded 1989)¹
GM275M (superseded 1987)¹
GM280M (superseded 1989)¹
GM300M (superseded 1989)¹
GM500M (superseded 2010)¹
GM510M (superseded 2011)¹
GM 6102M (superseded 2011)¹
GM 6103M (superseded 2011)¹
GM6104M (withdrawn 2011)¹





Accredited Laboratory

A2LA has accredited

AMAC ENTERPRISES

Parma, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 31st day of October 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 1153.01
Valid to August 31, 2020

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