



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

UNITED STATES STEEL AUTOMOTIVE CENTER LABORATORY

5850 New King Court
Troy, MI 48098
Ming F. Shi Phone: 248 267 2610

MECHANICAL

Valid To: March 31, 2014

Certificate Number: 1909.01

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

<u>Test</u>	<u>Test Method(s)¹</u>
Physical Properties	
Tensile	ASTM A370, E8; JIS 2241; EN 10002
Strain Aging/Bake Hardenability	MTL-005 ² ; EN 10325; ASTM A1008 (Annex A1), A653 (Annex A1)
R-value	ASTM E517; ISO 10113
N-value	ASTM E646; ISO 10275
Surface Roughness	SAE J911; EN 10049
Metallographic Evaluation	
Preparation	ASTM E3
Microetch	ASTM E407
% Iron Determination	MET-011 ²
Coating Weight (Gravimetric)	ASTM A90; MET-010 ²
Determining the Inclusion Content of Steel	ASTM E45 (Method A)
Determining Average Grain Size (Optical)	ASTM E112
Measurement of Thickness of Metallic Coatings by Measurement of Cross Section with a Scanning Electron Microscope	ASTM B748; MET-013 ²
SEM/EDS (Semi-quantitative)	ASTM E1508
Formability/Mechanical Evaluations	
Dent Testing	MTL-013 ²
LDH Test	MTL-015 ²
Bending Under Tension	MTL-022 ²
Draw Bead Simulator	MTL-021 ²
Stretch Dome Test	MTL-011 ²
Strain Reading using Automated Digitized System	MTL-017 ²

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements - Accreditation of ISO-IEC 17025 Laboratories*. If a specifier/regulator imposes a different transition period, this will supersede the A2LA one year implementation period.

² Internal test methods.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

UNITED STATES STEEL AUTOMOTIVE CENTER LABORATORY

Troy, MI

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 8 January 2009*).

Presented this 1st day of March 2012.





President & CEO

For the Accreditation Council
Certificate Number 1909.01
Valid to March 31, 2014

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