



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

RTI LABORATORIES, INC.
33080 Industrial
Livonia, MI 48150
Lloyd Kaufman Phone: 734 422 8000

MECHANICAL

Valid To: October 31, 2012

Certificate Number: 0570.01

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

<u>Test Parameter</u>	<u>Test Methods</u>
Tension (Room Temperature) and Proof Load	ASTM A370, E8; SAE J995; JIS Z2201, Z2241
Rockwell Hardness (A, B, C, E, F, (15, 30)N, (15, 30)T)	ASTM E18; ASTM F606, F606M
Brinell Hardness	ASTM E10
Microhardness (HK500, HV0.5)	ASTM E384
Impact Testing (Charpy)	ASTM E23
Coating Thickness	ASTM B487
Plating Adherence	ASTM B571
Coating Weight	ASTM A90, A428
Ductility	ASTM E643, E290
Metallographic Analysis	
Depth of Decarburization	ASTM E1077; SAE J419
Inclusion Content	ASTM E45 (Method A, C)
Grain Size	ASTM E112
Macroetching	ASTM A561, A604, E340, E381
Case Depth	SAE J423
Microetch	ASTM E407
Cast Iron Rating	ASRM A247; SAE J158, J434

Test Parameter

Microstructure Analysis

Metallographic Preparation

Electron Microscopy (SEM/EDS)

Environmental Testing
Salt Spray

Metallurgical Failure Analysis

Test Methods

ASM Hbk Vol 9, ASM Metals Hbk Vol 7

ASTM E3

ASTM B748, E986

ASTM B117

ASTM E2332



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

RTI LABORATORIES, INC.

Livonia, 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 15th day of March 2011.



A handwritten signature in black ink, appearing to read "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 0570.01
Valid to October 31, 2012

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