



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

COMMERCIAL STEEL TREATING CORPORATION

Madison Heights, 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 27th day of April 2010.





President & CEO

For the Accreditation Council

Certificate Number 0915.01

Valid to March 31, 2012

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

COMMERCIAL STEEL TREATING CORPORATION

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MECHANICAL

Valid To: March 31, 2012

Certificate Number: 0915.01

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

| <u>Test</u> | <u>Test Methods</u> |
|---|--|
| Hardness | |
| Rockwell (B, C, 15N, 30N) | ASTM E18 |
| Brinell | ASTM E10 |
| Fastener (Internal & External Threads) | ASTM: F606, F606M (Sections 3.1, 4.1, 5.2, 6.1) |
| File Hard | SAE J864 |
| Microhardness (Knoop & Vickers) | ASTM E384 |
| Tensile - Axial & Wedge (to 200 Kip for Externally Threaded Fasteners) | ASTM: F606, F606M (Sections 3.4 & 3.5) |
| Metallographic Evaluation Preparation | ASTM E3; SAE J423 |
| Carburization / Decarburization | GM 6104M; SAE: J121, J121M, J419, J423 (Section 6.3) |
| Case Depth | J423 (Section 6.3) |