



**THE AMERICAN  
ASSOCIATION  
FOR LABORATORY  
ACCREDITATION**

## **ACCREDITED LABORATORY**

A2LA has accredited

**MILL STEEL COMPANY  
Melvindale, 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 18 June 2005*).

Presented this 20<sup>th</sup> day of January 2006.



A handwritten signature in black ink, appearing to read 'Peter Abney', written over a horizontal line.

President  
For the Accreditation Council  
Certificate Number 2384.01  
Valid to February 28, 2008

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

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MECHANICAL

Valid To: February 28, 2008

Certificate Number: 2384.01

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

<u>Test:</u>	<u>Test Method:</u>
<u>Tension</u>	
Yield, Tensile, Elongation	ASTM E8; JIS Z 2241
Tensile Strain – Hardening Exponents (n-values)	ASTM E646
Plastic Strain Ratio (r)	ASTM E517
<u>Hardness</u>	
Rockwell Hardness & Rockwell Superficial Hardness (B, 30T)	ASTM E18
<u>Metallographic Evaluation</u>	
Preparation of Samples	ASTM E3
Microetching	ASTM E407
Microstructure	
Inclusion Content	ASTM E45 (Method A)
Depth of Decarburization	ASTM E1077 (Microscopial Method)
Case Depth	SAE J423 (Microscopial Method)
Grain Size (Circular Intercept Procedure)	ASTM E112
<u>Miscellaneous</u>	
Coating Thickness (Magnetic Method)	ASTM B499
Optical Emission Spectroscopy	ASTM E415
Analysis of Carbon & Alloy Steel (C, Mn, P, S, Si, Cu, Ni, Cr, Mo, V, Al, Nb, Ti, B)	