

THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

CHARTER STEEL SAUKVILLE MELTING
Saukville, WI

for technical competence in the field of

Chemical 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 29th day of December 2008.

A handwritten signature in black ink, appearing to read "Peter Abney". The signature is written in a cursive style and is positioned above a horizontal line.

President
For the Accreditation Council
Certificate Number 0358.01
Valid to January 31, 2011



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



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO 17025:2005

CHARTER STEEL SAUKVILLE MELTING
1658 Cold Springs Drive
Saukville, WI 53080
Jan Barnard Phone: 262 268 2497

CHEMICAL

Valid To: January 31, 2011

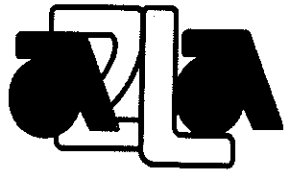
Certificate Number: 0358.01

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>
Chemical Analysis of Steel (C, S, O, N by Combustion)	ASTM E1019
Chemical Analysis of Steel (Optical Emission)	ASTM E415
End Quench Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561
Rockwell Hardness Testing (C Scale)	ASTM A370, E18
Macroetching	ASTM E381
Grain Size	ASTM E112

Peter Abney





THE AMERICAN ASSOCIATION FOR
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ACCREDITED LABORATORY

A2LA has accredited

**CHARTER STEEL SAULKVILLE ROLLING &
PROCESSING DIV.**

Saukville, WI

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 29th day of December 2008.

A handwritten signature in cursive script, appearing to read "Peter Blunz".

President

For the Accreditation Council

Certificate Number 0358.02

Valid to January 31, 2011

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



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO 17025:2005

CHARTER STEEL SAUKVILLE
ROLLING & PROCESSING DIVISION
1658 Cold Springs Drive
Saukville, WI 53080
Jan Barnard Phone: 262 268 2497

MECHANICAL

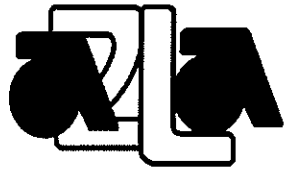
Valid To: January 31, 2011

Certificate Number: 0358.02

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>
Tensile and Reduction of Area Testing (Room Temperature)	ASTM A370, E8
Rockwell Hardness Testing (B and C scales)	ASTM E18
Inclusion Content (Methods A, E)	ASTM E45
Microstructure	ASTM A892
Brinell Hardness	ASTM E10; JIS Z2243





THE AMERICAN ASSOCIATION FOR
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ACCREDITED LABORATORY

A2LA has accredited

CHARTER STEEL FOSTORIA PROCESSING PLANT
Risingsun, 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 18 June 2005*).

Presented this 15th day of December 2008.

A handwritten signature in cursive script, reading "Peter Abney", written over a horizontal line.

President
For the Accreditation Council
Certificate Number 358.03
Valid to January 31, 2011



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



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CHARTER STEEL FOSTORIA PROCESSING PLANT
6255 US Highway 23
Risingsun, OH 43457
Jan Barnard Phone: 262 268 2497

MECHANICAL

Valid To: January 31, 2011

Certificate Number: 358.03

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 Methods</u>
Rockwell Hardness (B Scale)	ASTM E18
Tensile (Room Temperature)	ASTM A370, E8
Metallographic Evaluation: Microstructure	ASTM A892





THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

CHARTER STEEL - CLEVELAND

Cuyahoga Heights, 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 January 2009*).



Presented this 23rd day of January 2009.

A handwritten signature in cursive script, appearing to read "Peter Abney".

President

For the Accreditation Council

Certificate Number 0358.04

Valid to January 31, 2011

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



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CHARTER STEEL-CLEVELAND
4300 E. 49th Street
Cuyahoga Heights, OH 44125
Greg Yahr Phone: 262 268 2440

CHEMICAL

Valid To: January 31, 2011

Certificate Number: 0358.04

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 Methods</u>
Chemical Analysis of Steel (C, S, O, N by Combustion)	ASTM E1019
Chemical Analysis of Steel	ASTM E415
Hardenability-Jominy	ASTM A255; JIS G0561; SAE J406
Macroetching	ASTM E381
X-ray Fluorescence Stainless and Alloy Steel	ASTM E572
<u>Mechanical Testing:</u>	
Rockwell Hardness (HRB, HRC)	ASTM A370, E18
Tensile (Room Temperature)	ASTM A370, E8
Metallographic Evaluation: Inclusion Content	ASTM E45 (Method A, E)

