



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

THYSSENKRUPP STEEL NORTH AMERICA, INC.
Detroit, 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 8th day of June 2009.

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

President
For the Accreditation Council
Certificate Number 0547.01
Valid to May 31, 2011

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

THYSSENKRUPP STEEL NORTH AMERICA, INC.

ThyssenKrupp Laboratory Services
Three Thyssen Park
Detroit, MI 48210
John Lysak Phone: 313 899 6228

MECHANICAL

Valid To: May 31, 2011

Certificate Number: 0547.01

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

<u>Test</u>	<u>Standard</u>
Coating Weight	ASTM A90
Bend	ASTM E290 (Sections 3.1.3, 3.1.4), A917 (Section 9), A653 (Section 8.3), A653M (Section 8.3), B571 (Section 3)
Flat Metal Specimen Preparation and Tensile Testing	ASTM A370, E8; JIS Z2201, Z2241; EN 10002-1
Strain Hardening Exponent (n)	ASTM E646
Plain Strain Ratio (r)	ASTM E517
Bake Hardenability	SOP 12MT
Rockwell Hardness (B, C, 30T)	ASTM E18
Double Olsen Coating Adhesion	Chrysler LP-461H-120
Optical Emission Spectroscopy	
Carbon and Low Alloy Steel (C, Si, S, P, Mn, Ni, Cr, Mo, V, Cu, Sn, Al, B, Nb, Pb, Ti)	ASTM E415
Surface Roughness using a Profilometer (Taylor-Hobson)	SAE J911
Metallographic Examination	
Preparation of Specimens, Polishing	ASTM E3
Etching, Micro/Macrostructure	ASTM E340, E407
Grain Size, Inclusion Content	ASTM E45 Method A, E112 (Comparison), E930
Depth of Decarburization, and Banding	ASTM E1077, E1268, E1508, E1558
SEM with EDS	SOP 6MA
Microstructure Evaluation	ASTM A892