



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

THYSSENKRUPP STEEL DISTRIBUTION LLC

Laboratory Services
Three Thyssen Park
Detroit, MI 48210

John Lysak Phone: 313 899 6228

MECHANICAL

Valid To: May 31, 2013

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(s)</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) Mercedes MBN 11 250 Heated Bend test
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, Stainless Steel (C, Si, S, P, Mn, Ni, Cr, Mo, V, Cu, Sn, Al, B, Nb, Pb, Ti)	ASTM E415, E1086
Surface Roughness using a Profilometer (Taylor-Hobson)	SAE J911

Test

Standard(s)

Metallographic Examination

Preparation of Specimens, Polishing
Etching, Micro/Macrostructure
Grain Size, Inclusion Content
Depth of Decarburization, and Banding
SEM with EDS
Microstructure Evaluation

ASTM E3
ASTM E340, E407
ASTM E45 Method A, E112 (Comparison), E930
ASTM E1077, E1268, E1508, E1558
SOP 6MA
ASTM A892





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

THYSSENKRUPP STEEL DISTRIBUTION LLC

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 6th day of July 2011.



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

President & CEO
For the Accreditation Council
Certificate Number 0547.01
Valid to May 31, 2013

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