



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ST. LOUIS TESTING LABORATORIES, INC.
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St. Louis, MO 63103
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MECHANICAL

Valid To: July 31, 2013

Certificate Number: 0397.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metallic and non-metallic materials:

Test Technologies

Test Method(s)

Tension (Elevated Temperature to 1000 °C)
up to 120 k-lbs

ASTM A370, B557, D412, E8, E21, F606, F606M;
API 5L 1104; ASME Section IX; AWS B2.1, D1.1,
D1.2, D1.5

Impact

Charpy

ASTM E23, A370; API 5L 1104; ASME Section
IX; AWS B2.1, D1.1, D1.2, D1.5; EN 10045-1

Gardner

ASTM D2794

Izod

ASTM D256

Tear Strength

ASTM D624 (Sections 4.2.2, 4.2.3 and 4.2.4)

Flexural Properties

ASTM D790

Metallographic Evaluation

Inclusion Content

ASTM E45

Graphite in Cast Iron

ASTM A247

Sample Preparation/Microetching

ASTM B665, E3, E407

Decarburization

ASTM E1077 (Sections 7.2, 7.3 and 7.4);

Grain Size

SAE J419 (Sections 4.1 and 4.2)

Case Depth

ASTM E112

Plating Thickness

SAE J423 (Sections 5.2 and 6.3)

ASTM B487

Failure Analysis

ASM Handbook 11

Corrosion Testing

ASTM A262 (Practices A and E), G28, G31, G34,
G48 (Method A)

Compression Testing

ASTM E9, D695

Test Technologies

Test Method(s)

Shear Testing

ASTM D1002

Hardenability

ASTM A255

Macroetch

ASTM E340; API 5L 1104; ASME Section IX;
AWS B2.1, D1.1, D1.2, D1.5

Hardness

Brinel (500-3000) kg

ASTM A833, E10

Rockwell (HRA, HRBW, HRC, HR15N, HR30N,
HR45N, HR15TW, HR30TW, HR45TW)

ASTM E18

Durometer (Shore A and D)

ASTM D2240

Pencil

ASTM D3363

Microhardness

ASTM E384

Knoop (100-500) g

Vickers (500 g)

Leeb Rebound Method

ASTM A956

Bend

API 5L 1104; ASME Section IX; AWS B2.1, D1.1,
D1.2, D1.5

Taber Abrasion

ASTM D4060

Weld Operator & Procedure Qualification

API 5L 1104; ASME Section IX; AWS B2.1, D1.1,
D1.2, D1.3, D1.5, D1.6, D1.8, D17.1

Olsen Cup

ASTM E643

Coefficient of Friction

ASTM C1028





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

ST. LOUIS TESTING LABORATORIES, INC.

St. Louis, MO

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 15th day of August 2011.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 0397.02
Valid to July 31, 2013

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