



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

VALEO EMC LABORATORY

Troy, MI

for technical competence in the field of

Electrical 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 17th day of March 2009.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 2049.01
Valid to March 31, 2011



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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

VALEO EMC LABORATORY
150 Stephenson Highway
Troy, MI 48083
Dan Welker 248 619 8534

ELECTRICAL (AEMCLAP)¹

Valid To: March 31, 2011

Certificate Number: 2049.01

In recognition of the successful completion of the A2LA and the Automotive EMC Laboratory Accreditation Program (AEMCLAP)¹ evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

Test Technology

Test Method(s)

AEMCLRP⁽¹⁾ (Rev. 4 Recognized Tests and Addendum May 25, 2007)

Electrostatic Discharge (ESD)

Appendix D

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

Shielded Enclosure #1 (SE-1)

ISO 10605 (2001);

DC-11224 (2007/06) Section 10.1 and 10.2;

ES-XW7T-1A278-AC (CI 280);

GMW 3097 (2006) Section 3.6

RF Conducted Emissions

Appendix F

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

Absorber-Lined Shielded Enclosure #1 (ALSE-1)

CISPR 25 (2002) Sections 6.2 and 6.3;

CISPR 25 (2008) Sections 6.2 and 6.3;

DC-11224 (2007/06) Sections 6.2, 6.3;

Ford ES-XW7T-1A278-AC (CE 420);

GMW 3097 (2006) Section 3.3.2

RF Radiated Emissions

Appendix G

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

Absorber-Lined Shielded Enclosure #1 (ALSE-1)

CISPR 25 (2002), Section 6.4;

CISPR 25 (2008) Sections 6.4;

DC-11224 (2007/06) Section 6.4;

ES-XW7T-1A278-AC (RE 310);

GMW 3097 (2006) Section 3.3.1

Bulk Current Injection (BCI)

Appendix I

Substitution Method

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

Shielded Enclosure #1 (SE-1)

ISO 11452-4 (2005);

DC-11224 (2007/06) Section 7.2;

ES-XW7T-1A278-AC (RI 112);

GMW 3097 (2006) Section 3.4.1

Test Technology

Test Method(s)

Other EMC/EMI Tests

Conducted Transient Emissions	ISO 7637-2; SAE J1113-42; DC 11224 Section 6.5; ES-XW7T-1A278-AC Section 9.0 (CE 410); GMW 3097 Section 3.5.1
Conducted Transient Immunity – Power Lines	ISO 7637-2; SAE J113-11; DC 11224 Section 9.1; ES-XW7T-1A278-AC Section 14.0 (CI 220), Pulse D to G GMW 3097 Section 3.5.2
Conducted Transient Immunity – Signal Lines Coupling Clamp, Direct Capacitor Coupling	ISO 7637-3; SAE J113-12; DC 11224 Section 9.2.3, 9.2.4; GMW 3097 Section 3.5.3, 3.5.4, 3.5.5
Magnetic Field Emissions	MIL-STD-461F Section 5.16
Magnetic Field Immunity	MIL-STD-461F Section 5.19; DC 11224 Section 8.0; ES-XW7T-1A278-AC Section 11.0 (RI 140); GMW 3097 Section 3.4.4

¹ A2LA provides Accreditation for the Automotive EMC Laboratory Recognition Program (AEMCLRP) which is designated as the Automotive EMC Laboratory Accreditation Program (AEMCLAP). Chrysler, Ford Motor Company (Ford) and General Motors Corporation (GM) provide overall recognition as part of the AEMCLRP document (Fourth Edition, 01/27/06 and Addendum May 25, 2007 with Chrysler Addendum to DC-11224 (2007/06) and DC-11225 (2007/07) with Addendum to DC-11224/5 Rev A dated April, 2008 and Ford Corrections or Requirements to ES-XW7T-1A278-AC Updated June 7 2006 and September 18 2007).

The AEMCLRP document is available on the A2LA web site (www.a2la.org). Accreditation to the A2LA AEMCLAP requirements does not ensure recognition by the aforementioned organizations. Confirmation of recognition can be obtained from these organizations directly. If any items are not covered by AEMCLRP Rev.4 or there are any conflicts among the documents, the actual issued test method standards of Chrysler, Ford Motor Company and General Motors Corporation and OEM issued corrections/addendums these will supersede AEMCLRP Rev. 4 and Addendum May 25, 2007.

