



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PHOENIX INTERNATIONAL CORPORATION
1750 NDSU Research Park Drive
Fargo, ND 58102
Trevor Gilles (tgilles@phoeintl.com) Phone 701 452 3728
Dan Flatau (FlatauDanielG@phoeintl.com) Phone 701 452 3907

MECHANICAL

Valid to: June 30, 2012

Certificate Number: 3010.02

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

| <u>Test Technology</u> | <u>Test Method(s)</u> |
|-----------------------------------|--|
| Salt Spray & Corrosion Resistance | SAE J1455, Section 4.3 (Salt Spray Atmosphere); JDQ 53.3, Section 4.1 |
| Chemical Resistance | JDQ 53.3, Section 4.3 Level 3, SAE J1455 Section 4.4 |
| Ultra Violet Resistance | JDQ 53.3, Section 8.1.1 |
| Vibration | SAE J1455, Section 4.10 (Mechanical Vibration); JDQ 53.3, Sections 6.1.1 and 6.1.2 |
| Humidity | SAE J1455, Section 4.2 Humidity; JDQ 53.3, Section 7.3 |
| Water Resistance | JDQ 53.3, Sections 4.2 and 4.4 |
| Temperature Exposure | SAE J1455, Section 4.1.3.1 (Temperature Cycle Test); SAE J1455, Section 4.1.3.3 (Thermal Stress) ; JDQ53.3, Sections 7.1 and 7.2 |
| Thermal Shock | SAE J1455, Section 4.1.3.2 (Thermal Shock) ; JDQ 53.3, Section 7.4 |
| Sand and Dust | SAE J1455, Sections 4.7 and 4.8 ; JDQ 53.3, Sections 3.1, 3.2 and 3.3 |
| Shock/Drop | JDQ 53.3, Sections 6.3.1, 6.3.2, 6.3.3 and 6.2 |

On the following products or types of products: Electronic Controllers (Engines, Transmissions, Vehicle Electronics), Electronic Displays (LCD Display Modules) and Electronic Communication Gateways for Vehicles.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

PHOENIX INTERNATIONAL CORPORATION

Fargo, ND

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 16th day of July 2010.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 3010.02
Valid to June 30, 2012

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