



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EXCEL TESTING AND ENGINEERING LLC. DBA: EXCEL ENGINEERING

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Diagonal, IA 50845

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MECHANICAL

Valid To: August 31, 2022

Certificate Number: 4050.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following types of tests on Internal Combustion (IC) Engine Development and Engine Exhaust Emissions tests:

Test

Test Method(s)¹

Performance Engine Durability Development
and Engine Emissions Development

(25 to 4,500) HP

24/7 Automated Engine Operation

Automated computer

controlled test cells

Exhaust After Treatment Testing

Durability/aging process and

development work

Engine Off Level Testing

Capable of 50° on both axes

Cold Ambient Testing

-25° C capability

Engine Cold Flush Testing

(-265 to 65) ° F coolant flush in

less than 65 sec

Engine and Vehicle Component Testing

*(In conjunction with engine durability
testing)*

On Highway, Off-Road and Marine Exhaust
Emissions

Engine Exhaust Emissions Testing

Procedures

40 CFR Emissions Test Cells

Motoring Dynamometer Capabilities

Transient and steady state testing

Capabilities

Excel Engineering Procedure – Engine Durability
Development

Excel Engineering Procedure – After Treatment
Aging/Poisoning

Excel Engineering Procedure – Off Level Engine Testing

Excel Engineering Procedure – Cold Ambient Testing

Excel Engineering Procedure – Engine Cold Flush
Testing

Excel Engineering Procedure – Component Testing

Excel Engineering Procedure – Engine Emissions
Development

Excel Engineering Procedure – 40 CFR 1065 Engine
Testing

¹ This laboratory also uses customer supplied specifications and/or methods directly related to the testing technologies and parameters listed below.



Accredited Laboratory

A2LA has accredited

EXCEL TESTING AND ENGINEERING LLC. DBA: EXCEL ENGINEERING

Diagonal, IA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017*).

Presented this 14th day of September 2020.



A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4050.01
Valid to August 31, 2022

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