



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ATD ENGINEERING AND MACHINE LLC
533 North Court
Au Gres, MI 48703
Andrew Smolen Phone: 989-876-7161

MECHANICAL

Valid To: March 31, 2020

Certificate Number: 2643.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive components, typically metal castings (e.g., Suspension Components, Knuckles, Control Arms, Shock Towers and Cross Members):

Chassis / Suspension Product Validation Testing

Test Technology/Test Parameters

Test Methods/Test Standards

Axial and Bending Fatigue Testing¹

(Servo Hydraulic Test System- control of load and displacement)

Maximum 20,000 lbs force
Maximum 10 inches displacement possible
Frequencies up to 100 Hz
Waveforms: Sine Wave, Square Wave and Sawtooth
Programmable Block Cycle Testing

ES-7L14-3K185/6,
ES-9S43-4A492-A,
ES-9L34-3K185/6,
ES-6S43-3K171-AB,
ES-AV61-3K171-BAA;
QV 41023;
GMW14988 Braking,
GMW15181 Panic Brake,
GMW15182 Steering Arm,
GMW15183 Bending,
GMW15536 J-Turn

Axial and Bending Monotonic Testing¹

(Servo Hydraulic Test System- control of load and displacement)

Maximum 38,000 lbs force
Maximum 5.5 inches displacement possible

ES-9S43-4A492-A,
ES-9L34-3K185/6,
ES-6S43-3K171-AB,
ES-AV61-3K171-BAA

Liquid Penetrant

ASTM E165 (8.9.2 Visible Light Examination)

¹Using the above test methods and customer supplied test methods directly related to the test technologies and equipment parameters listed above.



Accredited Laboratory

A2LA has accredited

ATD ENGINEERING AND MACHINE LLC

Au Gres, 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 April 2017).



Presented this 22nd day of March 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2643.01
Valid to March 31, 2020

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