



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005¹

ND TECHNOLOGIES GROUP
1896 Barrett Road
Troy, MI 48084
Monica Tohlman Phone: 248 655 2585

MECHANICAL

Valid Until: October 31, 2017

Certificate Number: 2628.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the satellite laboratory listed below to perform the following tests on threaded fasteners, adhesives, sealants, coatings, and mastics for the automotive, aerospace and electronics industries:

<u>Test</u>	<u>Range</u>	<u>Test Method/Internal SOP</u>
Compressive Shear	Up to 10,000 lbf	ASTM D4562; ISO 10123
Hardness	Shore A & D	ASTM D2240
Lap Shear	Up to 10,000 lbf	ASTM D1002
Percent Expansion	Up to 750 % Expansion	GM9037P (Superseded August 2013) ²
Salt Spray (Fog) Exposure	N/A	ASTM B117; GM4298P (Superseded December 2010) ²
Shear Strength	Up to 10,000 lbf	ASTM D4501; ISO 13445
Solid Content	Up to 100 %	ASTM D2369; GM9010P (Inactive March 2011) ²
Solvent Resistance	Subjective Go-No Go	ASTM D5402 Method A
Torque (Beam Wrench)	Up to 1800 lbf-in	ASTM D5649; ISO 10964; IFI-124, IFI-524; GM6124M 3.4 (Superseded July 2013) ² , GM6175M 3.4 (Inactive July 2013) ² , GM6194M 3.4 (Inactive July 2013) ² , GM6189P (Inactive March 2013) ²
Torque Tension (Load Cells)	Up to 300 lbf-ft Up to 100,000 N	SAE/USCAR-11; ISO 16047; GM9064P (Superseded November 2012) ²

Peter Almy

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<u>Chemical Tests</u>	<u>Range</u>	<u>Test Method/Internal SOP</u>
Brookfield Viscosity	Up to 8,000,000 cPs	ASTM D1084 Method B, D2556; ISO 2555
Zahn Cup Viscosity	Cup # 2 & # 3	ASTM D1084 Method D, D4212

¹This accreditation covers testing performed at the main laboratory listed above, and at the satellite laboratory listed below:

ND Technologies Group
Annex Lab
1000 North Crooks Road
Clawson, MI 48017

<u>Test</u>	<u>Range</u>	<u>Test Method/Internal SOP</u>
Seal Testing	Subjective Go-No Go	GM 9985490 3.2
Solvent Resistance	Subjective Go-No Go	ND Test Method 5-4WI26
Torque (Beam Wrench, Click Wrench, Load Cell)	Up to 150 lbf-ft (50 to 250) lbf-ft Up to 300 lbf-ft	Ford WA-970; ISO 10964; GM6189P (Inactive March 2013) ² ; IFI-124, IFI-524
Torque Tension (Load Cell)	Up to 300 lbf-ft Up to 100,000 N	GM6076M 3.3 (Inactive August 2010) ² ; GM9064P (Superseded November 2012) ² ; ISO 16047; SAE/USCAR-11

²This laboratory's scope contains superseded and inactive methods. As a clarifier, this indicates that the applicable method itself is considered "historical" and not that the laboratory's accreditation for the method has been withdrawn or made inactive.





Accredited Laboratory

A2LA has accredited

ND TECHNOLOGIES GROUP

Troy, 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 8 January 2009).



Presented this 30th day of October 2015.

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

President & CEO
For the Accreditation Council
Certificate Number 2628.01
Valid to October 31, 2017

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