PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Steel Testing Laboratory

51100 Pontiac Trail, Wixom, MI 48393

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical and Mechanical Testing

(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
May 9, 2013	May 2, 2022	August 31, 2024

Accreditation No.:	*Certificate No.:*
74494	L22-348

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com

Certificate of Accreditation: Supplement

Steel Testing Laboratory

51100 Pontiac Trail, Wixom, MI 48393
Company Contact: Leila Koval Phone: 313-921-2000

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED
Chemical [F]	Stainless Steel	Chemistry components C, Mn, P, S, Si, Cr, Ni, Mo, N	ASTM A276/A276M
	Aluminum Steel	Chemistry components Si, Fe, Cu, Mn, Mg, Cr, Zn, Ti, Al	ASTM B209M-14
	Carbon and Low Alloy Steel	Optical Emission Spectroscopy Al, B, C, Cr, Cu, Fe, Mn, Mo, Nb, Ni, P, S	ASTM E415
		Coating Weight	ASTM A90
Mechanical [F]		Rockwell Hardness B, C, T15, T30, T45, F	ASTM E18
		Flat-Metal Tensile r-Value n-Value	ASTM A370, E8, GMW2 (GM6409m), GMW 3032, GMW 3399 JIS Z2201-98 Z2241-98 ASTM E8 (Section 6.3), E517 ASTM E646
		Ductility	ASTM E643 (2000)
		Double Olsen Coating Adhesion	Chrysler LP-461H-120
	Flat/Unfabricated Steel	Yield, Tensile, Elongation r-value, n-value, Ductility	ASTM A370, E8, GMW 3032, GMW2, GMW3399, JIS Z2201-98 Z2241-98, E517, ASTME646, ASTM E643
		Rockwell Hardness B, C, T15, T30, T45, F	ASTM E18
		Coating Weight	ASTM A90

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer[F] would mean that the laboratory performs this testing at its fixed location.