PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Foley & Associates Inc. dba Hytorc Mid-South

8915 Ryan Lane, Waxhaw, NC 28173

(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):

Mechanical Calibration

(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:*
January 24, 2024	January 24, 2024	April 30, 2026

Accreditation No.:	*Certificate No.:*
115272	L24-69

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

Foley & Associates Inc. dba Hytorc Mid-South
8915 Ryan Lane, Waxhaw, NC 28173
Contact Name: Mr. Ron Foley Phone: 704-641-4259

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

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION OR MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Hydraulic Torque Wrenches FM	Up to -500 lbf-ft	2.2	Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System TSD20011, TSD6500-2 Method: Hytorc 319	Hytorc 319
	500 lbf-ft to 1 000 lbf-ft	2.1 %		
	1 000 lbf-ft to 3 000 lbf-ft	1.3%		
	3 000 lbf-ft to 20 000 lbf-ft	0.90 %		
Hydraulic Pressure Gauges FM	Up to 1 000 psi	0.54 %	Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System TSD10KPT, TSD6500-2 Method; Hytorc 303	Hytorc 303
	1 000 psi to 5 000 psi	0.35 %		
	5 000 psi to 10 000 psi	0.30 %		
Manual Torque Wrenches FM	Up to-50 lbf-ft	1.6 %	CDI 2000-400-02/5000-ST reference standards	Hytorc 328
	50 lbf-ft to 150 lbf-ft	1.3 %		
	150 lbf-ft to 600 lbf-ft	1.2 %		
Pneumatic Torque Wrenches FM	Up to-250 lbf-ft	3.9 %	Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System TSD20011, TSD6500-2 /	Hytorc 333
	250 lbf-ft to 500 lbf-ft	3.0%		
	500 lbf-ft to 1 500 lbf-ft	2.1 %		
	1 500 lbf-ft to 8 500lbf-ft	1.2 %		
Battery Torque Wrenches FM	Min-250 lbf-ft	2.3 %	Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System TSD20011, TSD6500-2 / r	Hytorc 339
	250 lbf-ft to 1 000 lbf-ft	1.5 %		
	1 000 lbf-ft to 5 000 lbf-ft	1.3 %		

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor *k* (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.

2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.

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8915 Ryan Lane, Waxhaw, NC 28173
Contact Name: Mr. Ron Foley Phone: 704-641-4259

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

3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.

4. The presence of a superscript M means that the laboratory performs calibration of the indicated parameter in a mobile facility.

5. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.