



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Penn-Ohio Sales, LLC dba HYTORC Penn-Ohio

***2115 Sheffield Road, Aliquippa, PA 15001
Van 1- Mobile Laboratory Van 2 -Mobile Laboratory***

(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 joint the ISO-ILAC-IAF Communiqué dated April 2017):

Calibration of Hydraulic, Pneumatic, Electric and Manual Torque Wrenches & Pressure Gauges and Recorders, Torque Multipliers, Temperature Indicators and Recorders

(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:

Initial Accreditation Date:

November 02, 2020

Issue Date:

January 04, 2023

Expiration Date:

March 31, 2025

Tracy Szerszen
President

Accreditation No.:

107008

Certificate No.:

L23-4

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

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.pjllabs.com



Certificate of Accreditation: Supplement

Penn-Ohio Sales, LLC dba HYTORC Penn-Ohio

2115 Sheffield Road, Aliquippa, PA 15001
Van 1 Mobile Laboratory Van 2 Mobile Laboratory
Contact Name: Charles Foy Phone: 724-378-4456

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

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Pressure Gage ^{FO}	24 psi to 10 000 psi	0.3% of reading	AKO Pressure Transducer TSD 10KPT Display TSD 6500 Fixed Serial # 203001 Van 1 Serial # 202998 Van 2 Serial # 111012 Procedure no. 303, 344
Pressure Gage, Recorders ^{FO}	28 psi to 30 000 psi	0.3% of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT Procedure no. 356
Pressure Gage ^{FO}	0.21 psi to 100 psi	0.4% of reading	FRL Pressure Gauge Calibrator using Additel Digital Pressure Gauge Procedure no. 358
Hydraulic Torque Wrench ^{FO}	5.3 lb•ft to 20 000 lbf•ft	0.9% of reading	AKO Torque Master Calibration System, TSD20011, TSD6500 Fixed Serial # 7331 Van 1 Serial # 7224 Van 2 Serial # 5854 Procedure no. 319
Manual Torque Wrench ^{FO}	1.7 lb•ft to 600 lbf•ft	1.2% of reading	CDI Suretest 5000-3 Torque Calibration System Fixed Serial # 1119090-860 & 1119090-8400 Van 1 Serial # 0218004-860 & 0218004-8400 Van 2 Serial # 0112201-860 & 0112201-8400 Procedure no. 328
Pneumatic Torque Wrench ^{FO}	10.8 lb•ft to 8 500 lbf•ft	1.3% of reading	AKO Torque Master Calibration System, TSD20011, TSD6500 Fixed Serial # 7331 Van 1 Serial # 7224 Van 2 Serial # 5854 Procedure no. 333, 345
Electric Torque Wrench ^{FO}	11.9 lb•ft to 8 500 lbf•ft	1.4% of reading	AKO Torque Master Calibration System, TSD20011, TSD6500 Fixed Serial # 7331 Van 1 Serial # 7224 Van 2 Serial # 5854 Procedure no. 339



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Torque Multiplier ^{FO}	9.6 lb•ft to 20 000 lbf •ft	1.1% of reading	AKO Torque Master Calibration System, TSD20011, TSD6500 Fixed Serial # 7331 Van 1 Serial # 7224 Van 2 Serial # 5854 Procedure no. 332

Thermodynamic

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Temperature Indicators, Recorders ^{FO}	23 °F to 250 °F	0.01% of reading	Fluke 7102 Micro-Bath Procedure no. 357

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.
3. The presence of a superscript FO means that the laboratory performs calibration of the indicated parameter both at its fixed location and onsite at customer locations. Example: Outside Micrometer^{FO} would mean that the laboratory performs this calibration at its fixed location and onsite at customer locations.
4. 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.
5. The term T represents torque in N•m (including SI multiple and submultiple units) for the international system of units (the SI) or ozf•in, lbf•in and lbf•ft for the USC system of units.