



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Gasket and Packings Inc. dba GPI

405 East 10th, Borger, TX 79007

Mobile lab: VIN # 4D6EG3229BC028343

Mobile lab: VIN # 5YCBE162XHH041978

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

ISO/IEC 17025:2005

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:

DRAFT

Tracy Szerszen
President/Operations Manager

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

Initial Accreditation Date:

July 1, 2016

Revision Date:

August 26, 2019

Issue Date:

November 1, 2018

Accreditation No.:

91016

Expiration Date:

November 1, 2020

Certificate No.:

L18-511-R1

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.pjilabs.com



Certificate of Accreditation: Supplement

Gasket and Packing Inc. dba GPI

405 East 10th, Borger, TX 79007
 Mobile lab: VIN # 4D6EG3229BC028343
 Mobile lab: VIN # 5YCBE162XHH041978
 Contact Name: Casey Jones Phone: 806-274-7151

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

405 East 10th, Borger, TX 79007

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
Torque Wrench ^F	5 lbf·in to 50 lbf·in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-1 GPI WI103-CDI 2800-3
	40 lbf·in to 400 lbf·in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-2 GPI WI103-CDI 2800-3
	100 lbf·in to 1 000 lbf·in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-3 GPI WI103-CDI 2800-3
	25 lbf·ft to 250 lbf·ft	0.78 % of Reading	CDI Torque Transducer 2000-400-02-4 GPI WI103-CDI 2800-3
	60 lbf·ft to 600 lbf·ft	0.78 % of Reading	CDI Torque Transducer 2000-12-02 GPI WI103-CDI 2800-3
	200 lbf·ft to 2 000 lbf·ft	0.8 % of Reading	CDI Torque Transducer 2000-14-02 GPI WI103-CDI 2800-3
Torque Wrench ^{FO}	5 lbf·ft to 50 lbf·ft	1.2 % of Reading	AKO TSD 051BT GPI WI103
	25 lbf·ft to 300 lbf·ft	0.97 % of Reading	AKO TSD 321BT GPI WI103
	50 lbf·ft to 800 lbf·ft	0.9 % of Reading	AKO TSD 821 GPI WI103
Pressure Gauge ^F	20 psi to 200 psi	1.2 psi	AKO TSD .2KPT GPI WI102
	100 psi to 1 000 psi	6 psi	AKO TSD 1KPT GPI WI102
	1 000 psi to 10 000 psi	24 psi	AKO TSD 10KPT GPI WI102
Pneumatic & Hydraulic Torque Guns And Electrical Torque Guns ^F	50 lbf·ft to 500 lbf·ft	1.1 % of Reading	AKO TSD 511 W/ TSD6500-7 GPI WI100/WI101
	100 lbf·ft to 1 000 lbf·ft	1.3 % of Reading	AKO TSD 1011 W/ TSD6500-7 GPI WI100/WI101
	1 000 lbf·ft to 10 000 lbf·ft	1.2 % of Reading	AKO TSD 10011 W/ TSD6500-7 GPI WI100/WI101
	4 000 lbf·ft to 40 000 lbf·ft	1.4 % of Reading	AKOTSD40011 W/ TSD6500-7 GPI WI100/WI101



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Contact Name: Casey Jones Phone: 806-274-7151

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Mobile lab: VIN # 5YCBE162XHH041978

Mobile lab: VIN # 4D6EG3229BC028343

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 Gauge ^{FO}	20 psi to 200 psi	1.2 psi	AKO TSD .2KPT GPI WI102
	100 psi to 1 000 psi	6 psi	AKO TSD 1KPT GPI WI102
	1 000 psi to 10 000 psi	24 psi	AKO TSD 10KPT GPI WI102
Torque Wrench ^{FO}	5 lbf-in to 50 lbf-in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-1 GPI WI103-CDI 2800-3
	40 lbf-in to 400 lbf-in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-2 GPI WI103-CDI 2800-3
	100 lbf-in to 1000 lbf-in	0.78 % of Reading	CDI Torque Transducer 2000-400-02-3 GPI WI103-CDI 2800-3
	25 lbf-ft to 250 lbf-ft	0.78 % of Reading	CDI Torque Transducer 2000-400-02-4 GPI WI103-CDI 2800-3
	60 lbf-ft to 600 lbf-ft	0.78 % of Reading	CDI Torque Transducer 2000-12-02 GPI WI103-CDI 2800-3
	5 lbf-ft to 50 lbf-ft	1.2 % of Reading	AKO TSD 051BT GPI WI103
	25 lbf-ft to 300 lbf-ft	0.97 % of Reading	AKO TSD 321BT GPI WI103
	50 lbf-ft to 800 lbf-ft	0.9 % of Reading	AKO TSD 821 GPI WI103
Pneumatic & Hydraulic Torque Guns And Electrical Torque Guns ^{FO}	50 lbf-ft to 500 lbf-ft	1.1 % of Reading	AKO TSD 511 GPI WI100/WI101
	100 lbf-ft to 1 000 lbf-ft	1.3 % of Reading	AKO TSD 1011 GPI WI100/WI101
	1 000 lbf-ft to 10 000 lbf-ft	1.2 % of Reading	AKO TSD 10011 GPI WI100/WI101
	2 000 lbf-ft to 20 000 lbf-ft	1 % of Reading	AKO TSD 20011 GPI WI100/WI101



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Accreditation is granted to the facility to perform the following calibrations

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 F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this calibration at its fixed location.
4. 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.
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.