



1600 E. Murdock Wichita, KS 67214

Phone: (866) 384-3010



CERTIFICATE
#3040.01

Manual Wrench Type II Class A

Calibration Report for:

Panhandle Eastern Pipe Line Company, LP

16151 N Rte Z

Centralia, MO 65240

Calibration #:	170125.12.40474
Calibration Date:	01/25/2017
Expiration Date:	01/25/2018
Temperature:	24.3 °C
Humidity:	47.80% RH

Asset ID #:	1390496134
Asset Type:	Manual Wrench Type II Class A
Manufacturer:	BLUEPOINT (SNAP-ON)
Model #:	QJR4600B
Serial #:	DWZY

Testing Points		"As Found" Data (1) (FT-LBS)						"As Left" Data (2) (FT-LBS)						Low Limit -4%	High Limit +4%
		1	2	3	4	5	AVG	1	2	3	4	5	AVG		
120	Readings	120.7	120.9	121.0	120.6	120.8	120.8	120.7	120.9	121.0	120.6	120.8	120.8	115.2	124.8
	Dev. %	0.58	0.75	0.83	0.50	0.67	0.67	0.58	0.75	0.83	0.50	0.67	0.67		
	CL 95% (FT-LBS)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
360	Readings	367.0	361.8	360.7	360.7	360.5	362.14	367.0	361.8	360.7	360.7	360.5	362.14	345.6	374.4
	Dev. %	1.94	0.50	0.19	0.19	0.14	0.59	1.94	0.50	0.19	0.19	0.14	0.59		
	CL 95% (FT-LBS)	5.2	5.1	5.1	5.1	5.1	5.1	5.2	5.1	5.1	5.1	5.1	5.1		
600	Readings	599.4	599.8	597.2	598.6	598.4	598.68	599.4	599.8	597.2	598.6	598.4	598.68	576	624
	Dev. %	-0.10	-0.03	-0.47	-0.23	-0.27	-0.22	-0.10	-0.03	-0.47	-0.23	-0.27	-0.22		
	CL 95% (FT-LBS)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9		

Remarks:

(1) "As Found" Data: **IN TOLERANCE**

Test Instrument was found within applicable tolerance levels.

(2) "As Left" Data: **IN TOLERANCE**

Test Instrument was left within applicable tolerance levels.

Technician Comments:

Brennan Walter, Calibration Technician

Notes:

A. This accredited organization maintains both A2LA accreditation to ISO/IEC 17025 and ANSI/NCSL Z540-1-1994 for the specific tests/calibrations listed in A2LA Certificate #3040.01, and ISO 6789.

B. Environmental conditions were held within Alltite's standards of 60 to 88 degrees Fahrenheit and below 90% relative humidity.

C. Procedures for this calibration method are outlined in CP-005-19.

D. All standards and associated equipment used to calibrate this instrument have been calibrated and are traceable to A2LA accreditation and the National Institute of Standards and Technology (NIST).

E. Customer acknowledges and agrees that Alltite's standard sales terms and conditions are incorporated herein by reference and made a part of this calibration report.

F. This document relates only to the test instrument listed on this certificate and cannot be reproduced, except in full, without written approval of Alltite.

G. Calibration performed and valid for Clockwise Direction only.

H. This calibration document is followed by a Calibration Schedule page.

I. The uncertainty(s) listed represent an expanded uncertainty expressed using a coverage factor of k=2, such that the confidence level (CL) approximates 95%. CL 95% = Unaccred. or * means the measurement falls outside our accredited scope and therefore no measure of uncertainty has been determined.



Van 04 : WKSHQ 7629 (Inactive) Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
Temp/Humid	Extech	42280	10102261	943144	11/09/2017
2,000 ft.lb	AKO	TSD2011	6074	1601014.12.25957	10/14/2017