



1600 E. Murdock Wichita, KS 67214

Phone: (866) 384-3010



CERTIFICATE
#3040.01

Manual Wrench Type II Class A

Calibration Report for:

Arkos Field Services

11716 Hwy 191

Midland, TX 79707

Calibration #:	190514.30.38904
Calibration Date:	05/14/2019
Expiration Date:	05/13/2020
Temperature:	25.5 °C
Humidity:	53.20% RH

Asset ID #:	1494622418
Asset Type:	Manual Wrench Type II Class A
Manufacturer:	WRIGHT TOOL
Model #:	6448
Serial #:	0911604765

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	117.6	117.9	118.1	118.0	118.3	117.98	117.6	117.9	118.1	118.0	118.3	117.98	115.2	124.8
	Dev. %	-2.00	-1.75	-1.58	-1.67	-1.42	-1.68	-2.00	-1.75	-1.58	-1.67	-1.42	-1.68		
	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	348.2	348.3	348.5	348.7	348.1	348.36	348.2	348.3	348.5	348.7	348.1	348.36	345.6	374.4
	Dev. %	-3.28	-3.25	-3.19	-3.14	-3.31	-3.23	-3.28	-3.25	-3.19	-3.14	-3.31	-3.23		
	CL 95% (FT-LBS)	5	5	5	5	5	5	5	5	5	5	5	5		
600	Readings	580.2	580.6	580.3	580.7	580.2	580.4	580.2	580.6	580.3	580.7	580.2	580.4	576	624
	Dev. %	-3.30	-3.23	-3.28	-3.22	-3.30	-3.27	-3.30	-3.23	-3.28	-3.22	-3.30	-3.27		
	CL 95% (FT-LBS)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8		

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:

J Edwards, 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 12: W. Texas 8726 Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
Temp/Humid	Extech	42280	9089308	1151476	10/02/2019
2000 FTLB	AKO Torque Transducer	TSD 2011	4509	190313.19.41201	03/12/2020