



1600 E. Murdock Wichita, KS 67214
Phone: (866) 384-3010



Manual Wrench Type II Class A
Calibration Report for:

Arkos Field Services
11716 Hwy 191
Midland, TX 79707

Calibration #:	180511.30.35473
Calibration Date:	05/11/2018
Expiration Date:	05/11/2019
Temperature:	26.9 °C
Humidity:	41.60% 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	119.4	120.4	120.6	120.0	120.2	120.12	119.4	120.4	120.6	120.0	120.2	120.12	115.2	124.8
	Dev. %	-0.50	0.33	0.50	0.00	0.17	0.10	-0.50	0.33	0.50	0.00	0.17	0.10		
	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	360.5	360.2	360.8	360.6	360.4	360.5	360.5	360.2	360.8	360.6	360.4	360.5	345.6	374.4
	Dev. %	0.14	0.06	0.22	0.17	0.11	0.14	0.14	0.06	0.22	0.17	0.11	0.14		
	CL 95% (FT-LBS)	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1		
600	Readings	600.4	600.8	600.3	600.2	600.5	600.44	600.4	600.8	600.3	600.2	600.5	600.44	576	624
	Dev. %	0.07	0.13	0.05	0.03	0.08	0.07	0.07	0.13	0.05	0.03	0.08	0.07		
	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:

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	10086644	1056921	12/06/2018
2,000 ft-lb	AKO Torque Transducer	TSD 2011	4509	180315.12.49875	03/15/2019