


 CERTIFICATE
 #207954/A/0001/UK/En

Manual Wrench Type II Class A

Calibration Report for:

SNAP ON - BRUCE CHILES

 Red Deer, Alberta
 CA

Calibration #:	160926.08.55785
Calibration Date:	09/26/2016
Expiration Date:	09/26/2017
Temperature:	20.6 °C
Humidity:	37.80% RH

Asset ID #:	1474671263
Asset Type:	Manual Wrench Type II Class A
Manufacturer:	PTA Canada
Model #:	T3033
Serial #:	1114030002

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		
20	Readings	19.4	20.2	20.4	20.2	20.0	20.04	19.4	20.2	20.4	20.2	20.0	20.04	19.2	20.8
	Dev. %	-3.00	1.00	2.00	1.00	0.00	0.20	-3.00	1.00	2.00	1.00	0.00	0.20		
	CL 95% (FT-LBS)	0.1	0.7	0.7	0.7	0.1	0.7	0.1	0.7	0.7	0.7	0.1	0.7		
60	Readings	57.8	57.8	58.0	57.8	57.6	57.8	57.8	57.8	58.0	57.8	57.6	57.8	57.6	62.4
	Dev. %	-3.67	-3.67	-3.33	-3.67	-4.00	-3.67	-3.67	-3.67	-3.33	-3.67	-4.00	-3.67		
	CL 95% (FT-LBS)	1	1	1	1	1	1	1	1	1	1	1	1		
100	Readings	96.2	96.4	96.2	96.8	96.2	96.36	96.2	96.4	96.2	96.8	96.2	96.36	96	104
	Dev. %	-3.80	-3.60	-3.80	-3.20	-3.80	-3.64	-3.80	-3.60	-3.80	-3.20	-3.80	-3.64		
	CL 95% (FT-LBS)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		

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:



Roger Quick, 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 Allite's standards of 60 to 88 degrees Fahrenheit and below 90% relative humidity.
- C. Procedures for this calibration method are outlined in CP-005-13.
- 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 Allite'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 Allite.
- G. Calibration performed and valid for Clockwise Direction only.
- H. This calibration document is followed by a Calibration Schedule page.
- I. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2, such that the confidence level (CL approximates 95%). CL 95% = 0.00 or not displayed the reading is not an accredited calibration point.



Red Deer Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
Temp/Humid	Extech	42280	10075032	889165	05/12/2017
2,000 ft.lb	AKO Torque Transducer	TSD2011	6226	160513.12.36130	05/13/2017