



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



Hydraulic Torque Wrench

Calibration Report for:

Cameron - SERVICE

519 E 300 S
Vernal, UT 84078-2731

Calibration #:	140716.19.33878
Calibration Date:	07/16/2014
Expiration Date:	01/16/2015
Temperature:	20.4 °C
Humidity:	37.00% RH

Asset ID #:	1405520058
Asset Type:	Hydraulic Torque Wrench
Manufacturer:	HYTORC
Model #:	STEALTH 4
Serial #:	S4F1330-60

Pressure Setting (PSI)	Reference Standards (FT-LBS)	"As Found" Data (1) ("FT-LBS)	"As Found" CL 95% ("FT-LBS)	"As Left" Data (2) ("FT-LBS)	"As Left" CL 95% ("FT-LBS)
1000	402	392	1	388	1
2000	804	801	6.3	800	6.3
3000	1206	1221	6.9	1220	6.9
4000	1608	1643	7.5	1646	7.5
5000	2010	2061	8.1	2064	8.1
6000	2412	2476	8.7	2476	8.7
7000	2814	2891	9.2	2892	9.2
8000	3216	3309	9.8	3297	9.8
9000	3618	3725	10	3708	10
10000	4020	4141	11	4119	11

As Left T:P Ratio:	0.4111	Ref. T:P Ratio:	0.4020	% Deviation	2.2600%
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Remarks:

This hydraulic wrench was tested at ten equal points based on the instrument's maximum pressure range. Readings were taken at those points before and after maintenance was performed (if applicable).

(1) "As Found" Data: IN TOLERANCE
Test Instrument was found within applicable tolerance levels.

(2) "As Left" Data: RESTRICTED WITH CHART
Test Instrument is functioning properly, however it is necessary to use new operational chart provided with this calibration to maintain the instrument's accuracy.

Technician Comments:

Dan Walker, 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-001-19.
- 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 01 : Spare 7833 (Inactive) Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
5,000 ft.lb	AKO Transducer	TSD5011	6191	27014	11/12/2014
Temp/Humid	Extech	445703	MC0003	1001491687	08/30/2014
10,000 psi	GE Gauge	Druck DPI 104	3108832	43668.003	07/31/2014