



1600 E. Murdock Wichita, KS 67214

Phone: (866) 384-3010



CERTIFICATE  
#3040.01

## Hydraulic Torque Wrench

Calibration Report for:

**BJ Services, LLC - Hobbs**

2708 NW County Rd

Hobbs, NM 88240

Calibration #:	150612.26.45205
Calibration Date:	06/12/2015
Expiration Date:	06/12/2016
Temperature:	26.3 °C
Humidity:	42.00% RH

Asset ID #:	1000053050
Asset Type:	Hydraulic Torque Wrench
Manufacturer:	HYTORC
Model #:	XLCT4
Serial #:	C2515

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	385.5	340	0.9	342	0.9
2000	771	710	6.2	718	6.2
3000	1156.5	1086	6.7	1096	6.7
4000	1542	1470	7.3	1488	7.3
5000	1927.5	1844	7.8	1854	7.8
6000	2313	2228	8.3	2232	8.3
7000	2698.5	2606	8.8	2606	8.8
8000	3084	2980	9.4	2976	9.4
9000	3469.5	3359	9.9	3350	9.9
10000	3855	3738	10	3724	10

<b>As Left T:P Ratio:</b>	0.3707	<b>Ref. T:P Ratio:</b>	0.3621	<b>% Deviation</b>	2.3800%
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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:

Jason Hankins, 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 07 : Wichita Spare 1 1464 Calibration Laboratory: Certification Schedule

Capacity	Item	Model #	Serial #	Traceability/Report #	Date Due Cal
10,000 psi	AKO Pressure Transducer	TSD10KPT	127065	150506.25.41269	12/23/2015
20,000 ft.lb	AKO Torque Transducer	TSD 20011	4201	141223.25.28185	12/23/2015
Temp	Extech	445703	MC0003	155517	10/01/2015