



1600 E. Murdock Wichita, KS 67214

Phone: (866) 384-3010



CERTIFICATE
#3040.01

Hydraulic Torque Wrench

Calibration Report for:

Constellation Power

10252 10th Ave
Mullinville, KS 67109

Calibration #:	200902.30.35838
Calibration Date:	09/02/2020
Expiration Date:	09/02/2021
Temperature:	25.1 °C
Humidity:	74.10% RH

Asset ID #:	1599058371
Asset Type:	Hydraulic Torque Wrench
Manufacturer:	HYTORC
Model #:	HY-1MXT
Serial #:	M1TRI516-449

Pressure Setting (BAR)	Reference Standards (Nm)	"As Found" Data (1) ("Nm)	"As Found" CL 95% ("Nm)	"As Left" Data (2) ("Nm)	"As Left" CL 95% ("Nm)
69	181.7	179	1.2	179	1.2
138	363.4	359	1.2	359	1.2
207	545.1	539	1.3	539	1.3
276	726.8	720	8.1	720	8.1
345	908.5	902	8.3	902	8.3
414	1090.2	1083	8.6	1083	8.6
483	1271.9	1267	8.8	1267	8.8
552	1453.6	1447	9.1	1447	9.1
621	1635.3	1629	9.3	1629	9.3
690	1817	1811	9.6	1811	9.6

As Left T:P Ratio:	2.6182	Ref. T:P Ratio:	2.6333	% Deviation	-0.5734%
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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: IN TOLERANCE

Test Instrument was left within applicable tolerance levels.

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-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
10000 PSI	AKO Pressure Transducer	TSD10KPT	127055	191107.18.57692	05/05/2021
Temp/Humid	Extech	42280	10102264	00261105-09vVXx	02/28/2021
20000 FTLB	AKO Torque Transducer	TSD20011	6201	191107.18.34451	05/05/2021