

1600 E. Murdock Wichita, KS 67214

For Maintenance or Recalibration call:
Phone: (866) 384-3010
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CALIBRATION CERT #3040.01

Torque Wrench

Calibration Report For:

Enogex - Weatherford

4817 E Main
Weatherford, OK 73096

Calibration Date:	13 Feb 2013
Calibration Number:	130213.19B.7
Temperature:	68.60°F
Humidity:	41.00% RH

Test Instrument Identification

Manufacturer:	PROTO	Model:	6012C
Type:	Manual wrench	Serial Number:	DLC45381
Wrench Type:	2	Wrench Class:	A

Standard Testing Points or Instrument Settings		Instrument "As Found" Readings [1] (FT-LB)						Instrument "As Left" Readings [2] (FT-LB)						Low Limit -4%	High Limit +4%
		1	2	3	4	5	AVG	1	2	3	4	5	AVG		
20	Reading	19.8	19.6	19.4	20.1	19.6	19.7	19.8	19.6	19.4	20.1	19.6	19.7	19.2	20.8
	Deviation %	-1.00	-2.15	-3.25	0.65	-1.95	-1.54	-1.00	-2.15	-3.25	0.65	-1.95	-1.54		
60	Reading	58.9	59.3	59.2	59.0	60.4	59.4	58.9	59.3	59.2	59.0	60.4	59.4	57.6	62.4
	Deviation %	-1.84	-1.12	-1.37	-1.64	0.61	-1.07	-1.84	-1.12	-1.37	-1.64	0.61	-1.07		
100	Reading	99.4	99.2	99.8	100.0	99.8	99.6	99.4	99.2	99.8	100.0	99.8	99.6	96.0	104.0
	Deviation %	-0.56	-0.76	-0.22	-0.04	-0.21	-0.36	-0.56	-0.76	-0.22	-0.04	-0.21	-0.36		

Remarks

This manual wrench was tested in the absence of any side-loading.
Readings were taken at 20%, 60%, and 100% settings of the tool's maximum torque scale (if applicable).

- (1) "As Found" Data: *IN TOLERANCE*
Test Instrument was found within applicable tolerance levels.
- (2) "As Left" Data: *IN TOLERANCE, RESTRICTED WITH CHART*
Test Instrument was left within applicable tolerance levels.

Technician Comments:

Dan Walker, Calibration Technician

Notes

- A. This accredited organization maintains both A2LA accreditation to ISO/IEC 17025 for the specific tests/calibrations listed in A2LA Certificate #3040.01, and ISO 6789.
- B. Environmental conditions were held within MobileCal's standards of 60 to 88 degrees Fahrenheit and below 90% relative humidity.
- C. All readings have an expanded uncertainty of .83% for up to 50 ft-lb, .20% for up to 500 ft-lb and .15% for up to 2,000 ft-lb (k=2).
- D. Procedures for this calibration method are outlined in the MobileCal Quality Management Procedure Manual Version 3.0.
- E. 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).
- F. Customer acknowledges and agrees that MobileCal's standard sales terms and conditions are incorporated herein by reference and made a part of this calibration report.
- G. This document relates only to the test instrument listed on this certificate and cannot be reproduced, except in full, without written approval of MobileCal.
- H. Calibration performed and valid for Clockwise Direction only.
- I. This calibration document is followed by a Calibration Schedule page.



Calibration Laboratory Location #1: Certification Schedule

Capacity	Item	Serial #	Model #	Date Cal'd	Date Due Cal
300 PSI	Pressure gauge	2810965	DPI 104	7/21/2013	7/21/2014
10000 PSI	Pressure gauge	3108832	DPI 104	7/21/2013	7/21/2014
5000 PSI	Pressure gauge	2827280	DPI 104	7/21/2013	7/21/2014
100 IN/LBS	AWS Transducer	10196-3	MTMPD-2S-100	3/12/2013	3/21/2014
500 IN/LBS	AWS Transducer	10196-4	MTMPD-2S-500	3/12/2013	3/21/2014
250 FT/LBS	AWS Transducer	M105581-3	ITFL-250	6/5/2013	6/5/2014
2000 FT/LBS	AWS Transducer	M105581-1	ITFL-2000	6/5/2013	6/5/2014
5000 Ft/LBS	AWS Transducer	M11963	ITFL-5K	8/12/2013	8/12/2014
25000 Ft/LBS	AWS Transducer	7874-1	ITFL-25K	Not in Van	Not In Van
N/A	Hygro-Thermometer	None	445703	8/12/2013	8/12/2014
Indicator	AWS Indicator	UNK	M4050-5	8/12/2013	8/12/2014
Indicator	AWS Indicator	UNK	M4050-5	Not in Van	Not in Van