

1600 E. Murdock Wichita, KS 67214

For Maintenance or Recalibration call:  
Phone: (866) 384-3010  
Fax: (316) 686-3151



# 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	High Limit
		1	2	3	4	5	AVG	1	2	3	4	5	AVG	-4%	+4%
20	Reading	19.8	19.6	19.4	20.1	19.6	<b>19.7</b>	19.8	19.6	19.4	20.1	19.6	<b>19.7</b>	19.2	20.8
	Deviation %	-1.00	-2.15	-3.25	0.65	-1.95	<b>-1.54</b>	-1.00	-2.15	-3.25	0.65	-1.95	<b>-1.54</b>		
60	Reading	58.9	59.3	59.2	59.0	60.4	<b>59.4</b>	58.9	59.3	59.2	59.0	60.4	<b>59.4</b>	57.6	62.4
	Deviation %	-1.84	-1.12	-1.37	-1.64	0.61	<b>-1.07</b>	-1.84	-1.12	-1.37	-1.64	0.61	<b>-1.07</b>		
100	Reading	99.4	99.2	99.8	100.0	99.8	<b>99.6</b>	99.4	99.2	99.8	100.0	99.8	<b>99.6</b>	96.0	104.0
	Deviation %	-0.56	-0.76	-0.22	-0.04	-0.21	<b>-0.36</b>	-0.56	-0.76	-0.22	-0.04	-0.21	<b>-0.36</b>		

### 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