

1600 E. Murdock Wichita, KS 67214

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



# Torque Wrench

## Calibration Report For:

## CDM Resources - Lake Charles LA

908 Egert St  
Lake Charles, LA 70615

Calibration Date:	15 Jan 2013
Calibration Number:	130115.13A.11
Temperature:	66.50°F
Humidity:	50.00% RH

### Test Instrument Identification

Manufacturer:	SNAP ON	Model:	TQR 250A
Type:	Manual wrench	Serial Number:	20431
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%
50	Reading	51.1	50.9	49.7	50.2	49.3	<b>50.2</b>	51.1	50.9	49.7	50.2	49.3	<b>50.2</b>	48.0	52.0
	Deviation %	2.20	1.80	-0.60	0.40	-1.40	<b>0.48</b>	2.20	1.80	-0.60	0.40	-1.40	<b>0.48</b>		
150	Reading	151.7	149.9	150.4	150.7	150.8	<b>150.7</b>	151.7	149.9	150.4	150.7	150.8	<b>150.7</b>	144.0	156.0
	Deviation %	1.13	-0.07	0.26	0.46	0.53	<b>0.46</b>	1.13	-0.07	0.26	0.46	0.53	<b>0.46</b>		
250	Reading	250.7	250.6	251.4	252.1	250.6	<b>251.1</b>	250.7	250.6	251.4	252.1	250.6	<b>251.1</b>	240.0	260.0
	Deviation %	0.28	0.24	0.56	0.84	0.24	<b>0.43</b>	0.28	0.24	0.56	0.84	0.24	<b>0.43</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:



Peter Bucki, 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 #3: Certification Schedule

COMPACITY	ITEM	S/N	MODEL	CAL DUE DATE
THERMOMETER	EXTECH	NONE	445703	7/27/2013
2,000 FTLB	AKO	715	TSD2011	7/9/2013
20,000 FTLB	AKO	309514297	TDS20011	7/9/2013
1000 FTLB	AKO	3871914297	TSD1011	7/9/2013
10,000 PSI	DRUCK	3108832	DPI104	7/5/2013
5,000 PSI	DRUCK	2827280	DPI104	7/5/2013
300 PSI	DRUCK	2810965	DPI104	7/5/2013
250 FTLB	CDI	60888091	2503-F-MT	7/6/2013
600 FTLB	CDI	508880267	6004-F-MT	7/6/2013
1500 FTLB	CDI	1208580035	15005-F-MT	7/6/2013