

1600 E. Murdock Wichita, KS 67214

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



Torque Wrench

Calibration Report For:

Atlas Copco - Houston CTS

15045 Lee Road
Houston, TX 77032

Calibration Date:	05 Jun 2012
Calibration Number:	120605.13A.24
Temperature:	Not Available
Humidity:	Not Available

Test Instrument Identification

Manufacturer:	UNKNOWN	Model:	150 FT LBS
Type:	Manual wrench	Serial Number:	48331
Wrench Type:		Wrench Class:	

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	-5%	+5%
30	Reading	11.6	12.2	14.3	12.7	11.8	12.5	30.5	29.9	30.2	30.4	29.8	30.2	28.5	31.5
	Deviation %	-61.34	-59.34	-52.34	-57.67	-60.67	-58.27	1.66	-0.34	0.66	1.33	-0.67	0.53		
90	Reading	79.2	82.1	80.4	79.4	78.3	79.9	90.2	91.4	88.6	89.9	88.9	89.8	85.5	94.5
	Deviation %	-12.00	-8.78	-10.67	-11.78	-13.00	-11.25	0.22	1.55	-1.56	-0.12	-1.23	-0.23		
150	Reading	135.9	136.2	135.7	135.2	136.7	135.9	148.5	146.9	147.3	146.8	145.9	147.1	142.5	157.5
	Deviation %	-9.40	-9.20	-9.54	-9.87	-8.87	-9.38	-1.00	-2.07	-1.80	-2.14	-2.74	-1.95		

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: OUT OF TOLERANCE

Test Instrument is not within manufacturer's standards or is not linear or predictable. See "As Left" remark below for recommended action.

(2) "As Left" Data: IN TOLERANCE

Test Instrument was left within applicable tolerance levels.

Technician Comments:



Peter Bucki, Calibration Technician

Notes

- 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.
- Environmental conditions were held within MobileCal's standards of 60 to 88 degrees Fahrenheit and below 90% relative humidity.
- 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).
- Procedures for this calibration method are outlined in the MobileCal Quality Management Procedure Manual Version 3.0.
- 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).
- 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.
- This document relates only to the test instrument listed on this certificate and cannot be reproduced, except in full, without written approval of MobileCal.
- Calibration performed and valid for Clockwise Direction only.
- 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