

1600 E. Murdock Wichita, KS 67214

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



# Torque Multiplier

## Calibration Report For:

### DXP Enterprises - Houston TX

*DXP Enterprises  
Chevron Phillips Chemical  
Matthew Day 409-201-0309  
Beaumont, TX 77705*

Calibration Date:	24 Jul 2013
Calibration Number:	130724.20B.23
Temperature:	73.60°F
Humidity:	55.00% RH

### Test Instrument Identification

Manufacturer:	ARMSTRONG	Model:	64-813
Type:	Torque multiplier	Serial Number:	A-5173

Input Torque (FT-LB)	Output Torque (FT-LB)	Multiplication Ratio (Output:Input)
100	330	3.30:1
200	666	3.33:1
300	1018	3.39:1
400	1306	3.27:1
500	1650	3.30:1

Average Multiplication Ratio:	<b>3.3133:1</b>
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### Remarks

This torque multiplier was tested in the absence of any side-loading. Readings were taken at 20% increments of the tool's maximum input torque. "Average Multiplication Ratio" is the total output divided by the total input.

Technician Comments:

Jon 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. Procedures for this calibration method are outlined in the MobileCal Quality Management Procedure Manual Version 3.0.
- 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 MobileCal'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 MobileCal.
- G. Calibration performed and valid for Clockwise Direction only.
- H. This calibration document is followed by a Calibration Schedule page.



## Calibration Laboratory Location #2: Certification Schedule

CAPACITY	ITEM	S/N	MODEL	CAL DUE DATE
THERMOMETER	EXTECH	NONE	445703	10/24/2013
2,000 FTLB	AKO	2933 28704	TSD 2011	10/24/2013
20,000 FTLB	AKO	2452 28097	TDS 20011	10/24/2013
1,000 FTLB	AKO	2453 28704	TDS 1011	10/24/2013
50 FTLB	AKO	4507	TDS111/050	10/24/2013
10,000 PSI	DRUCK	3151587	DPI104	10/24/2013
5,000 PSI	DRUCK	2827279	DPI104	10/24/2013
300 PSI	DRUCK	2784730	DPI104	10/24/2013
250 FTLB	CDI	509064812	2503-F-MT	10/24/2013
600 FTLB	CDI	78580025	6004-F-MT	10/24/2013
1500 FTLB	CDI	120850041	15005-F-MT	10/24/2013
Indicator	AKO	28704	TSD 6000-2	10/24/2013
Indicator	AKO	28097	TSD 6000-1	10/24/2013