

1600 E. Murdock Wichita, KS 67214

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



Hydraulic Torque Wrench

Calibration Report For:

Premium Valve Services - Casper Wy
Casper, WY

Calibration Date:	05 Dec 2013
Calibration Number:	131205.10A.3
Temperature:	72.20°F
Humidity:	13.10% RH

Test Instrument Identification

Manufacturer:	NORWOLF	Model:	XDRIVER
Type:	Hydraulic wrench	Serial Number:	X4-5044

As Left T:P Ratio:	0.3966	Last T:P Ratio:	0.3775	% Deviation:	-4.82%
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Pressure Setting (PSI)	Manufacturer Standards (FT-LB)	"As Found" Reading(s) [1] (FT-LB)	"As Left" Reading(s) [2] (FT-LB)	Low Limit -3% (FT-LB)	High Limit +3% (FT-LB)
1000	390	396	386	378	402
2000	780	766	770	757	803
3000	1170	1164	1174	1135	1205
4000	1560	1588	1570	1513	1607
5000	1950	1970	1978	1892	2009
6000	2340	2386	2390	2270	2410
7000	2730	2792	2800	2648	2812
8000	3120	3184	3182	3026	3214
9000	3510	3589	3583	3405	3615
10000	3900	3994	3984	3783	4017

Remarks

This hydraulic wrench was tested at ten equal points based on the instrument's maximum pressure range. Readings were taken at those points before and after maintenance was performed (if applicable).

(1) "As Found" Data: *IN TOLERANCE*

Test Instrument was found within applicable tolerance levels.

(2) "As Left" Data: *RESTRICTED WITH NEW CHART*

Test Instrument is functioning properly within an acceptable deviation percentage of 5%, however it is necessary to use new operational chart provided with this calibration to maintain the instrument's accuracy.

Technician Comments:

NORWOLF XDRIVER S/N:X4509
NORWOLF XDRIVER S/N:X4-5044



Aaron Putney, 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 #3: Certification Schedule

COMPACITY	ITEM	S/N	MODEL	CAL DUE DATE
THERMOMETER	EXTECH	1110	445703	7/18/2014
Indicator	AKO	715	TSD-6000	8/13/2014
2,000 FTLB	AKO	715	TSD2011	8/13/2014
Indicator	AKI	3819	TSD-6500-3	8/13/2014
20,000 FTLB	AKO	390514297	TDS20011	8/13/2014
1000 FTLB	AKO	381914297	TSD1011	8/13/2014
10,000 PSI	DRUCK	3108832	DPI104	11/16/2013
3,000 PSI	DRUCK	3558245	DPI104	6/20/2014
300 PSI	DRUCK	2810965	DPI104	6/20/2014
250 FTLB	CDI	0608880091	2503-F-MT	8/13/2014
600 FTLB	CDI	0508880267	6004-F-MT	8/13/2014
1500 FTLB	CDI	1208580035	15005-F-MT	8/13/2014
36,000 PSI	Additel	211H12350054	Additel 681	6/20/2014