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S. R I	SOUTHW	ACCREDITED Certificate # 0972-01							
Submitted By:	DIV20		Work Order:	303066467					
Address:	B57		Date Issued:	Nov 2, 2005					
Contact:	DON BANNON		Calibration Date:	Nov 2, 2005					
Manufacturer Model:	SNAP-ON ODRIVE	ER2	*Calibration Due:	May 2, 2006					
Description:	TOROUE SCREWDI	RIVER	Calibration Location:	Bldg. 64					
Serial No:	1001200319		Environment:	Temp. 68.0°F	Hum. 41 %RH				
Asset No:	010443		**Data Type:	FOUND-LEFT	· · · · · · · · · · · · · · · · · · ·				
Procedure:	TOROUE HAND TO	OLS. MAR/05	2000 - 5 Free						
			-1	Saustana - St. Inita ()	D) The Laboratory				
<ul> <li>quality system conforms to ISO/IEC 17025, 1999, ANSI/NCSL 2540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.</li> <li>*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.</li> <li>Remarks: Cal'd clockwise only</li> </ul>									
Standards Used									
Asset No. Serial No.	Manufacturer	Model	Description		Cal Due				
007010 08803	CDI	1001-0-11112	TORQUE TRANSDU	UCER	Jan 20, 06				
		3		Λ					
Reviewed by bit() jrg() j	pwc () wgh ( )	_	Measurement	by: Joe Greagrey	eng				
Reviewed by Chir() jrg() j Metrology Technician	h wgh()		Measurement Metrology Pech	by: Joe Greagrey	ere				

## Southwest Research Institute Calibration Laboratory Measurement Report

Work Order: Asset No:	303066467 010443	Mfr: Model:	Snap-On QDRIVER2	Technician:	JRG
Serial No:	1001200319	Туре:	Torque Screwdriver	Cal Date:	02-Nov-05
Remarks:					

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Torque Clockwise	oz-in	oz-in	oz-in	oz-in	oz-in	Result
	20.0	21.0	1.0	1.2	0.20	Pass
	20.0	21.0	1.0	1.2	0.20	Pass
	20.0	19.9	-0.1	1.2	0.20	Pass
	20.0	21.0	1.0	1.2	0.20	Pass
	20.0	20.4	0.4	1.2	0.20	Pass
	20.0	20.5	0.5	1.2	0.20	Pass
	20.0	20.2	0.2	1.2	0.20	Pass
	20.0	19.7	-0.3	1.2	0.20	Pass
	20.0	20.5	0.5	1.2	0.20	Pass
	20.0	20.9	0.9	1.2	0.20	Pass
	20.0	20.6	0.6	1.2	0.20	Pass
	20.0	20.2	0.2	1.2	0.20	Pass
	60.0	60.3	0.3	3.6	0.60	Pass
	60.0	63.0	3.0	3.6	0.60	Pass
	60.0	62.6	2.6	3.6	0.60	Pass
	60.0	59.3	-0.7	3.6	0.60	Pass
	60.0	62.4	2.4	3.6	0.60	Pass
	60.0	60.0	0.0	3.6	0.60	Pass
	60.0	63.1	3.1	3.6	0.60	Pass
	60.0	58.8	-1.2	3.6	0.60	Pass
	60.0	62.5	2.5	3.6	0.60	Pass
	60.0	62.6	2.6	3.6	0.60	Pass
	60.0	62.6	2.6	3.6	0.60	Pass
	60.0	59.5	-0.5	3.6	0.60	Pass
	100.0	104.6	4.6	6.0	1.0	Pass
	100.0	104.0	4.0	6.0	1.0	Pass
	100.0	103.5	3.5	6.0	1.0	Pass
	100.0	103.1	3.1	6.0	1.0	Pass
	100.0	103.9	3.9	6.0	1.0	Pass
	100.0	104.3	4.3	6.0	1.0	Pass
	100.0	103.7	3.7	6.0	1.0	Pass
	100.0	102.6	2.6	6.0	1.0	Pass
	100.0	102.7	2.7	6.0	1.0	Pass
	100.0	102.8	2.8	6.0	1.0	Pass
	100.0	100.7	0.7	6.0	1.0	Pass
	100.0	101.7	1.7	6.0	1.0	Pass
END OF REPORT						