R R I	SOUTHW	EST RESEA 6220 Culebra Road, P.O. Institute Quality Institute Calibration Phone: 210-522-5215 Fa Certificate of Ca	Systems Laboratory x 210-522-4834	ACCREDITED Calibration Laboratory			
				Certificate #0972-01			
Submitted Bu			Work Order: 303	074246			
Submitted By:							
Address:			Date Issued: Apr				
	DON BANNON		Calibration Date: Apr				
Manufacturer / Model:	•		*Calibration Due: Oct	·			
Description: TORQUE SCREWDRIVER			Calibration Location: Bldg. 64				
Serial No: 1001200319			Environment: Temp. 68.0°F Hum. 38 %RH				
Asset No:	010443		**Data Type: FO	UND-LEFT			
Procedure:	TORQUE HAND TO	OLS - 19 SEP 06	DivID/Location: N/A				
quality system conforms to IS be reproduced, except in full, product endorsement by South of this calibration relate only the *Determined by the customer this date. **Found/Left = adj determination of in-/out-of-to	O/IEC 17025, 2005, ANS without the written appro- hwest Research Institute, to the instrument describe , does not imply the instru- ustment and/or repair was lerance or compliance/noi- ed in accordance with the	SI/NCSL Z540-1-1994 and releva oval of the Southwest Research In American Association for Labora ed above at the time of calibration ument will remain within tolerance s not required, As Left = adjusted ncompliance. See Remarks or att the ISO "Guide to the Expression of	logy (NIST) and the International System of U nt requirements of the ISO 9000-2000 standa stitute Calibration Laboratory. This certificat tory Accreditation (A2LA) or any agency of t and does not imply any long term stability of e as any number of factors may cause an out- and/or repaired was required. The client has ached Measurement Report with the same Wo Uncertainty in Measurement" (GUM) and rep	rd. This certificate shall not e shall not be used to claim he U. S. Government. Results the instrument. of-tolerance condition before sole responsibility for ork Order number for data.			
Remarks: Calibrated Clockw	vise Only						
Standards Hard							
Standards Used							
Asset No. Serial No.	Manufacturer	Model	Description	Cal Due			
Seatt	Kut						

Southwest Research Institute Calibration Laboratory Measurement Report

Work Order: Asset No:	303074246 Mfr: Snap-On 010443 Model: QDRIVER2			Technician:	PWC	
Serial No:	1001200319	Type:	Torque Screwdriver		Cal Date:	27-Apr-07
Remarks:	Cal'd clockwis					
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Torque Clockwise	oz/in	oz/in	oz/in	oz/in	oz/in	Result
	19.8	20.0	0.2	1.2	0.061	Pass
	19.7	20.0	0.3	1.2	0.061	Pass
	20.3	20.0	-0.3	1.2	0.061	Pass
	19.3	20.0	0.7	1.2	0.061	Pass
	19.8	20.0	0.2	1.2	0.061	Pass
	19.0	20.0	1.0	1.2	0.061	Pass
	19.2	20.0	0.9	1.2	0.061	Pass
	20.2	20.0	-0.2	1.2	0.061	Pass
	19.7	20.0	0.4	1.2	0.061	Pass
	19.4	20.0	0.6	1.2	0.061	Pass
	19.1	20.0	0.9	1.2	0.061	Pass
	18.9	20.0	1.1	1.2	0.061	Pass
	58.4	60.0	1.6	3.6	0.18	Pass
	59.4	60.0	0.6	3.6	0.18	Pass
	60.8	60.0	-0.8	3.6	0.18	Pass
	58.8	60.0	1.2	3.6	0.18	Pass
	58.2	60.0	1.9	3.6	0.18	Pass
	59.9	60.0	0.1	3.6	0.18	Pass
	60.1	60.0	-0.1	3.6	0.18	Pass
	59.5	60.0	0.5	3.6	0.18	Pass
	59.1	60.0	0.9	3.6	0.18	Pass
	59.1	60.0	0.9	3.6	0.18	Pass
	60.2	60.0	-0.2	3.6	0.18	Pass
	60.2	60.0	-0.2	3.6	0.18	Pass
	102.2	100.0	-2.2	6.0	0.30	Pass
	101.5	100.0	-1.5	6.0	0.30	Pass
	102.2	100.0	-2.2	6.0	0.30	Pass
	102.4	100.0	-2.4	6.0	0.30	Pass
	101.1	100.0	-1.1	6.0	0.30	Pass
	101.6	100.0	-1.6	6.0	0.30	Pass
	101.0	100.0	-2.2	6.0	0.30	Pass
	102.2	100.0	-2.2	6.0	0.30	Pass
	101.7	100.0	-1.7	6.0	0.30	Pass
	101.7	100.0	-1.7 -2.1	6.0	0.30	Pass
		100.0	-2.1	6.0	0.30	Pass
	101.6		-1.6	6.0 6.0	0.30	Pass
	101.7	100.0	OF REPORT	0.0	0.30	1000

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