

Southwest Research Institute Calibration Laboratory Measurement Report

Work Order:	303063649	Mfr.	Snap-On	Technician	WCL
Asset No. Serial No.	1001200319	Type.	Driver2 Torque Screwdriver	Cal Date.	11-Apr-05
Remarks:		1.76.			

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found
Torque Clockwise	oz-in	oz-in	oz-in	oz-in	oz-in	Result
	20.0	19.1	-0.9	1.2	0.61	Pass
	20.0	20.6	0.6	1.2	0.61	Pass
	20.0	22.4	2.4	1.2	0.61	Fail
	20.0	18.8	-1.2	1.2	0.61	Pass
	20.0	19.4	-0.6	1.2	0.61	Pass
	20.0	20.1	0.1	1.2	0.61	Pass
	20.0	21.1	1.1	1.2	0.61	Pass
	20.0	18.4	-1.6	1.2	0.61	Fail
	20.0	19.6	-0.4	1.2	0.61	Pass
	20.0	19.4	-0.6	1.2	0.61	Pass
	20.0	20.4	0.4	1.2	0.61	Pass
	20.0	18.5	-1.5	1.2	0.61	Fail
	60.0	59.4	-0.6	3.6	0.83	Pass
	60.0	58.0	-2.0	3.6	0.83	Pass
	60.0	58.3	-1.7	3.6	0.83	Pass
	60.0	58.5	-1.5	3.6	0.83	Pass
	60.0	58.1	-1.9	3.6	0.83	Pass
	60.0	58.1	-1.9	3.6	0.83	Pass
	60.0	56.2	-3.8	3.6	0.83	Fail
	60.0	57.3	-2.7	3.6	0.83	Pass
	60.0	58.0	-2.0	3.6	0.83	Pass
	60.0	57.9	-2.1	3.6	0.83	Pass
	60.0	56.6	-3.4	3.6	0.83	Pass
	60.0	57.8	-2.2	3.6	0.83	Pass
	100.0	103.8	3.8	6.0	1.2	Pass
	100.0	102.8	2.8	6.0	1.2	Pass
	100.0	100.8	0.8	6.0	1.2	Pass
	100.0	105.0	5.0	6.0	1.2	Pass
	100.0	105.9	5.9	6.0	1.2	Pass
	100.0	103.8	3.8	6.0	1.2	Pass
	100.0	102.6	2.6	6.0	1.2	Pass
	100.0	105.3	5.3	6.0	1.2	Pass
	100.0	101.0	1.0	6.0	1.2	Pass
	100.0	103.2	3.2	6.0	1.2	Pass
	100.0	102.8	2.8	6.0	1.2	Pass
	100.0	104.2	4.2	6.0	1.2	Pass
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R		6	220 Culebra Road, P.O. D Institute Quality Sys	tems		
		Pl	Institute Calibration La hone: 210-522-5215 Fax 2	10-522-4834	ACCRE	DITED
	®		0972	2-01		
	Submitted By:	DIV20		Work Order:	303063649	
	Address:	B57		Date Issued:	May 4, 2005	
	Contact:	DARRELL DUNN	_	Calibration Date:	May 4, 2005	
Manı	ufacturer Model:	SNAP-ON QDRIVER	2	**Calibration Due:	Nov 4, 2005	
	Description:	TORQUE SCREWDRI	VER	Calibration Location:	Bldg. 64	
	Serial No:	1001200319		Environment:	OUT OF TOLERANCE	%KH
	Procedure:	TOROUE HAND TOOI	LS. MAR/03	*As Left:	IN TOLERANCE	
This certi	ficate documents trac	reability to the National Insti	tute of Standards and Technolog	v (NIST) and the International	System of Units (SI) The Lab	oratory
quality sy standards results of Association	vstem conforms to ISC This certificate may this calibration relate on for Laboratory Ac	D/IEC 17025, 1999 and ANS y not be reproduced, except i e only to the individual instru- creditation (A2LA) or any ag	UNCSL Z540-1-1994 which are in full, without the written appro- ument described above. This cer gency of the U. S. Government.	equivalent to relevant requirer val of the Southwest Research tificate shall not be used to clai	Institute Calibration Laborator im product endorsement by the	eries of y. The American
Uncertain The uncer Report w	nty evaluation include rtainty represents an e ith the same Work Or	es the item under test and is of expanded uncertainty using a rder number for calibration d	calculated in accordance with the a coverage factor of $k=2$ to approata.	ISO "Guide to the Expression ximate a 95% confidence level	of Uncertainty in Measurement. See Remarks or attached Ca	nt" (GUM). libration
*The clie convenier and does	nt has sole responsibi nce based only on the not imply any short o	ility for determination of in/c Test Instrument (TI) reading or long term stability of the T	out of tolerance or compliance/no g(s) and limits as reported. The r I.	ncompliance. An in/out of tole eported uncertainty relates only	erance opinion is provided for y to the results at the time of c.	your alibration
**Calibra	ation interval is deter	mined by the client and does	not assure the instrument will re	main within tolerance until this	s date. Any number of factors	may cause
the instru	ment to be out of tole	erance before the next calibra	tion date.		•	•
Remark	s: None		,			
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	us Useu	M				
Asset	Serial Number	Manufacturer	Model	Description	C	al Due
Asset 007010	Serial Number 08803	Manufacturer CDI	Model 1001-0-TTTP	Description TORQUE TRANSI	C DUCER Ji	al Due ul 08, 05
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Work Order:	303063649	Mfr. Model	Snap-On	Technician	WCL
Serial No.	1001200319	Type	QDIIVEIZ Torque Screwdriver	Cal Date	04-May-05
Remarks:	1001200010	турс.			04 Way-00

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Left
Torque Clockwise	oz-in	oz-in	oz-in	oz-in	oz-in	Result
	20.0	20.2	0.2	1.2	0.61	Pass
	20.0	21.2	1.2	1.2	0.61	Pass
	20.0	20.4	0.4	1.2	0.61	Pass
	20.0	19.5	-0.5	1.2	0.61	Pass
	20.0	19.9	-0.1	1.2	0.61	Pass
	20.0	20.2	0.2	1.2	0.61	Pass
	20.0	20.1	0.1	1.2	0.61	Pass
	20.0	20.1	0.1	1.2	0.61	Pass
	20.0	20.3	0.3	1.2	0.61	Pass
	20.0	19.7	-0.3	1.2	0.61	Pass
	20.0	19.9	-0.1	1.2	0.61	Pass
	20.0	20.7	0.7	1.2	0.61	Pass
	60.0	58.9	-1.1	3.6	0.83	Pass
	60.0	61.4	1.4	3.6	0.83	Pass
	60.0	61.4	1.4	3.6	0.83	Pass
	60.0	58.6	-1.5	3.6	0.83	Pass
	60.0	59.5	-0.5	3.6	0.83	Pass
	60.0	60.7	0.7	3.6	0.83	Pass
	60.0	60.9	0.9	3.6	0.83	Pass
	60.0	60.1	0.1	3.6	0.83	Pass
	60.0	59.9	-0.1	3.6	0.83	Pass
	60.0	61.8	1.8	3.6	0.83	Pass
	60.0	60.2	0.2	3.6	0.83	Pass
	60.0	60.7	0.6	3.6	0.83	Pass
	100.0	105.3	5.3	6.0	1.2	Pass
	100.0	105.1	5.1	6.0	1.2	Pass
	100.0	103.5	3.5	6.0	1.2	Pass
	100.0	105.8	5.8	6.0	1.2	Pass
	100.0	104.4	4.4	6.0	1.2	Pass
	100.0	105.0	5.0	6.0	1.2	Pass
	100.0	105.0	5.0	6.0	1.2	Pass
	100.0	102.8	2.8	6.0	1.2	Pass
	100.0	104.6	4.6	6.0	1.2	Pass
	100.0	104.0	4.0	6.0	1.2	Pass
	100.0	103.5	3.5	6.0	1.2	Pass
	100.0	103.0	3.0	6.0	1.2	Pass
		END OI	F REPORT			

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