SOUTHWEST RESEARCH INSTITUTE®

6220 Culebra Road, P.O. Drawer 28510
Institute Quality Systems
Institute Calibration Laboratory
Phone: 210-522-5215 Fax 210-522-4834

ACCREDITED
Calibration Laboratory
Certificate #0972-01

Certificate of Calibration

Cost Center / Customer: DIV20 / DON BANNON
Mail Stop: B51
Manufacturer/Model: NOSHOK / Series 100
Description: PRESSURE GAUGE
Serial Number: 15093
Asset Number: 015093
Procedure: PRESSURE GAGES - 29 MAR 06

Work Order: 303091640
Date Issued: 9-Dec-2009
Date Calibrated: 9-Dec-2009
*** Date Due :** 9-Jun-2010
**** Results:** FOUND-LEFT
Temperature: 68.0 °F
Humidity: 39 %RH
Barometer: N/A

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 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.

*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. **Data type found in this certificate or attached measurement report must be interpreted as: Found-left - adjustment and/or repair was not performed, As-found - data is before unit is adjusted and/or repaired, As-left - data is after adjusted and/or repaired was performed. The customer has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance.

Measurement uncertainty calculated in accordance with the method described in the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM), for a confidence level of approximately 95 percent using a coverage factor of $k=2$.

Remarks: None

Standards Used

Asset #	Manufacturer	Model	Description	Cal Date	Due Date
010418	MENSOR	2101	PRESSURE GAUGE, DIGITAL	11-Sep-2009	11-Sep-2010

Walt Hill
Laboratory Manager

Joe Greagrey
Metrology Technician

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Southwest Research Institute
Calibration Laboratory
Measurement Report

Work Order:	303091640	Mfr:	Noshok	Technician:	JRG
Asset No:	015093	Model:	Series 100	Type Data:	Found-left
Serial No:	15093	Type:	Pressure Gauge	Cal Date:	9-Dec-09
Remarks:					

Function/Range	Test Point	TI Reading	Difference	+/- Limit	+/- Uncertainty	Result	% Limit
Pressure	psi	psi	psi	psi	psi		
(0 to 200) psi	0	0	0	5.0	2.4	Pass	0%
	50	52	2			Pass	40%
	100	102	2			Pass	40%
	150	152	2			Pass	40%
	190	192	2			Pass	40%
	150	152	2			Pass	40%
	100	102	2			Pass	40%
	50	52	2			Pass	40%
	0	0	0			Pass	0%

END OF REPORT