Troxler Model 03430 Calibration Report (Page 1 of 3)

Gauge model - 03430 Gauge serial number - 028086

Reference standard counts: Density = 02436 Moisture = 0645

Calibration Date: 7/6/2011 Print Date: 7/6/2011 Bay = 060

*** Density calibration count data ***

Depth (in)	Magnes 1778	Mag/Al 2216	Alumin 2699
BS	01124	00753	00510
02	03795	02475	01532
04	03848	02376	01377
06	03103	01786	00955
08	02136	01136	00556
10	01342	00654	00296
12	00788	00356	00158

*** Density performance parameters ***

Pos	A	B*1000	C	'Y'	Slope	Prec
BS	3.430	1.24052	-0.07335	2216	0.9	8.56
02	9.798	1.03345	0.03697	2216	3.1	4.34
04	12.391	1.15577	0.04727	2216	3.4	3.88
06	13.505	1.32967	0.03260	2216	3.1	3.86
08	13.157	1.53101	0.01677	2216	2.3	4.17
10	12.795	1.79078	-0.00031	2216	1.5	4.75
12	12.361	2.09510	-0.01181	2216	1.0	5.78

*** Moisture calibration count data ***

Mag 0	Mag/Poly 590	S R
0016	0410	0398

*** Moisture performance parameters ***

E	F*1000	Rat	Prec	S R	Exerr
0.02481	1.03534	3.31	5.06	-18.0	14.5

***** Density Standard Decay Sheet *****

Gauge model - 03430
Serial- 028086

Calib Date: 7/6/2011
Print Date: 7/6/2011

Ref. std. cnt. = 2436

Range of projected density standard counts at future dates:

Date	Lower Limit of Projected density Standard Count	Upper Limit of Projected density Standard Count
8/1/2011	2408	2456
9/1/2011	2403	2452
10/1/2011	2398	2447
11/1/2011	2394	2442
12/1/2011	2389	2438
1/1/2012	2385	2433
2/1/2012	2380	2428
3/1/2012	2376	2424
4/1/2012	2371	2419
5/1/2012	2367	2414
6/1/2012	2362	2410
7/1/2012	2358	2405
8/1/2012	2353	2400

The true gravimetric densities of the metallic blocks used in this calibration are listed on Page 1 of this document. To account for the influence of the chemical composition of these blocks on instrument response (as prescribed in ASTM D2950, Section A1.3 and D6938, Section A1.1.1), these gravimetric densities are multiplied by chemical correction factors prior to the calculation of the density calibration parameters shown on Page 1 of this document. These correction factors are 0.988 for magnesium, 0.974 for magnesium/aluminum, and 0.964 for aluminum.

Statement of Traceability:

"The above referenced equipment has been calibrated by the manufacturer to established and documented procedures. Density values for the standards used in the calibration of this equipment were established using instruments whose measurements are traceable to the National Institute of Standards and Technology. Test procedures and supporting documentation are available upon request."

Gauge model - 03430 Gauge serial number - 028086

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This instrument was found to be mechanically sound and electronically stable both prior to and after its calibration. All data listed in the preceding two pages of this report are applicable to this instrument only.

This calibration was performed at:

Troxler Electronics
2016 East Randol Mill Road, Suite 406
Arlington, TX 76011

Special considerations and limitations of use for this device and its calibration are described in the Manual of Operation and Instruction provided with this instrument.

This instrument was calibrated by pm on 7/6/2011 using the Method 1 Calibration process.

Troxler Electronic Laboratories, Inc.
3008 Cornwallis Rd. • PO Box 12057 • Research Triangle Park, NC 27709
Phone: +1.919.549.8661 • Fax: +1.919.549.0761 • www.troxlerlabs.com

Gauge Safety Inspection Report

Model: 3430 **SN:** 28086 **RO#:** 18855

Inspected at: TX

- (•) 1 - Auto (Orbital) weld
- ( ) 2 - Manual Weld

Inspection Date: 6/29/2011

Handle Condition
- (•) 1 - Normal
- ( ) 2 - Abused (comments)

Overall Gauge Condition
- ( ) 1 - Good
- (•) 2 - Normal
- ( ) 3 - Poor (comments)
- ( ) 4 - Abused (comments)

AmBe Plug - As Found
- ( ) Tight
- ( ) Loose
- (•) Not applicable

Sliding Block - As Found
- (•) 0 - Fully Closed
- ( ) 1 - <= 25% Open
- ( ) 2 - 26-50% Open
- ( ) 3 - 51-75% Open
- ( ) 4 -75-100% Open
- ( ) 5 -Fully Open

Reason Not Fully Closed
- ( ) 1 - Excessive Dirt
- ( ) 2 - Weak Spring
- ( ) 3 - Both
- ( ) 4 - Other (Comments)

AmBe Plug - Fixed
- ( ) Yes (Loctite applied)
- ( ) No (already done)
- (•) Not required

Only required for gauges with tall plugs & serial numbers less than 39000.

Sliding Block Cracks
- (•) Uncracked
- ( ) Cracked
- ( ) Not applicable

(Only models 3450 or 3451)

Source Rod Wear
- ( ) 0 - None
- (•) 1 - Slight
- ( ) 2 - Some.
- ( ) 3 - Medium
- ( ) 4 - Significant.
- ( ) 5 - Extreme (comments)

Cause of Rod Wear
- ( ) 0 - None
- ( ) 1 - Sliding Block
- ( ) 2 - Bearing/Wiper
- (•) 3 - Both
- ( ) 4 - Other (comments)

I. Concavity
- ( ) 0 - None
- (•) 1 - Slight
- ( ) 2 - Some.
- ( ) 3 - Medium
- ( ) 4 - Significant
- ( ) 5 - Extreme (comments)

II. Porosity/Pitting
- ( ) 0 - None
- (•) 1 - Slight
- ( ) 2 - Some
- ( ) 3 - Medium
- ( ) 4 - Significant.
- ( ) 5 - Extreme (comments)

III. Cracks
- (•) 0 - None
- ( ) 1 - 1 to 20%
- ( ) 2 - 21 - 40%
- ( ) 3 - 41 to 60%
- ( ) 4 - 61 to 80%
- ( ) 5 - 81 to 100%

COMMENTS: