



# APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission  
SFN 51277 (2/2014)



**TYPE OR PRINT - AN INCOMPLETE OR ILLEGIBLE APPLICATION WILL BE REJECTED**

<b>Name of Company</b> O'Day Equipment	<b>Email Address</b> Service@odayequipment	<b>Application Date</b> 12-18-15	
<b>Mailing Address</b> 1301 40th St NW	<b>City</b> Fargo	<b>State</b> ND	<b>Zip Code</b> 58012
<b>Telephone Number</b> 701-282-9260	<b>Cell Phone Number</b> —	<b>Fax Number</b> 701-281-9770	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	Liquid (include maximum flow rate, if applicable)
<input type="checkbox"/> 1. Rail <input type="checkbox"/> 2. Truck <input type="checkbox"/> 3. Livestock <input type="checkbox"/> 4. Hopper: Max. Capacity: _____ <input type="checkbox"/> 5. Belt <input type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: _____ <input type="checkbox"/> 7. 30 lbs. or less <input type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input checked="" type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input checked="" type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input checked="" type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input checked="" type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input checked="" type="checkbox"/> 5. LPG <input checked="" type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

List below all persons employed by your company as a North Dakota Registered Service Person and the device types they are registered to certify (attach a separate sheet to list additional employees):

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
e.g. 1001	e.g. John Doe	e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6
1738	Josh Anderson	1, 2, 3, 4, 5, 6
1644	Paul Kallestad	1, 2, 3, 4
1694	Adam Kanarr	1, 2, 3, 4
1567	Mark Kassin	1, 2, 3, 4, 5, 6
1777	Braydon Kruger	1, 2, 3, 4, 5, 6
1642	Jacob Uhden	1, 2, 3, 4, 5, 6

Continued on Page 2

Pages: 35

WM-15-772 Filed: 2/4/2016  
Application for permit - Fargo

O'Day Equipment, LLC

List below all field standards (attach current calibration reports):

See attached	

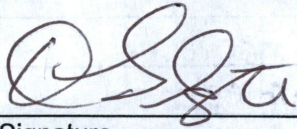
Additional Application Items (initial where appropriate):

Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<input type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in crimped lead wire seal filed previously

Public Company Listing:

Include my company information on your registered service company list for public contact.  
 Yes     No

I am Kim Blythe, and have authority to represent this company.  
By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

  
\_\_\_\_\_  
Signature

Send Completed Application and Related Documents To:

Public Service Commission  
600 E Boulevard Ave Dept 408  
Bismarck ND 58505-0480  
Telephone: (701) 328-2400  
Fax: (701) 328-2410

**Bauske, Shelly A.**

---

**From:** Nicole Duncomb <nicole.duncomb@odayequipment.com>  
**Sent:** Thursday, March 10, 2016 9:23 AM  
**To:** Bauske, Shelly A.  
**Subject:** O'Day test and approved sticker  
**Attachments:** 20160310093553354.pdf

Hi Shelly, attached is our test and approved sticker, also there is no change in the crimped lead wire seals that we use if you could use the previously filed one that would be great.

TESTED & APPROVED BY



800-654-6329

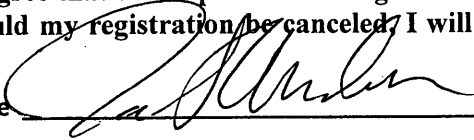
License No: \_\_\_\_\_  
Public Service Commission  
JAN FEB MAR APR MAY JUN  
JUL AUG SEP OCT NOV DEC  
15 16 17 18



**Check if Reference Material are available:**

	YES	NO		YES	NO
NIST Handbooks 44 & 130	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pressure sensitive seals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Iowa Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wire Seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iowa Chapter 85 rules	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

I hereby agree that if this application is approved and the registration is granted, I will not place in service any device that does not meet all of the requirements of the laws, tolerances, rules and regulations applicable to the same. I further agree that the Department of Agriculture and Land Stewardship may cancel my registration for good cause. Should my registration be canceled, I will surrender my registration certificate to the department immediately.

Applicant's Signature 

Date 12-2-15

Owner/Manager (Please print) \_\_\_\_\_

Owner/Manager Signature \_\_\_\_\_

Date \_\_\_\_\_

**Read the following instructions before completing this application.**

1. **Submit one application for company and one application for each individual.**
2. **The license fee is \$5.00 per application per year.**
3. **Make check payable to IDALS or Weights & Measures Bureau.**
4. **Clearly print or type the information requested on application(s).**
5. **List all the test equipment in your possession.**
6. **List how many test weights you have and in what sizes.**
7. **Show the date test equipment was last certified by a NIST approved laboratory.**
8. **Return the original application(s) and keep a copy for your records.**

If you would like to renew our license online. (Fee applies)

- 1) Visit the following website.  
<http://www.kellysolutions.com/ia/Service/ERenewals/ServiceRenewalLogin.asp>
- 2) Enter your username and password (provided below) and follow the easy steps to complete your renewal.

User Name: 298.1

Password: 90994118

**Mailing Address:**

**Iowa Department of Agriculture  
Weights & Measures Bureau  
2230 South Ankeny Blvd.  
Ankeny IA 50023**

# Application for Registered Service Agency,

November 2016

## Service Tech or Construction Co

Department of Agriculture and Land Stewardship

Weights and Measures Bureau

2230 South Ankeny Blvd Ankeny IA 50023 515-725-1492

Agency Number	Tech Number
<b>298</b>	

New	Renewal
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Company	Technician	Construction
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Company Name O'Day Equipment LLC		Technician Name	
Company Address 1301 40th Street NW		Technician Phone No.	
Company City, State, Zip Fargo ND 58102		Technician E-mail	
Company Phone No. (701) 282-9260			
Company E-Mail			
Types of Meters Serviced		Types of Scales Serviced	
	YES	NO	
	YES	NO	YES
	NO	YES	NO
Retail Fuel Dispenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Small Capacity < 500 lbs
High Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hopper Scales
Bulk Meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Livestock Scales
DEF Meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vehicle Scales
LP Meters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Railroad Scales
Other (specify)			Other (specify)

List test equipment

100 gal O-DAY Prover  
5 gal Seraphin

Date equipment was last certified by a NIST approved laboratory 3/11 Who certified? \_\_\_\_\_  
Where? \_\_\_\_\_

Attach copies of the current calibration report to this application

Over

**Check if Reference Material are available:**

	YES	NO		YES	NO
NIST Handbooks 44 & 130	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pressure sensitive seals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Iowa Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wire Seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iowa Chapter 85 rules	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

I hereby agree that if this application is approved and the registration is granted, I will not place in service any device that does not meet all of the requirements of the laws, tolerances, rules and regulations applicable to the same. I further agree that the Department of Agriculture and Land Stewardship may cancel my registration for good cause. Should my registration be canceled, I will surrender my registration certificate to the department immediately.

Applicant's Signature  Date 12/19/15

Owner/Manager (Please print) Kim Blythe

Owner/Manager Signature  Date 12/19/15

**Read the following instructions before completing this application.**

1. Submit one application for company and one application for each individual.
2. The license fee is \$5.00 per application per year.
3. Make check payable to IDALS or Weights & Measures Bureau.
4. Clearly print or type the information requested on application(s).
5. List all the test equipment in your possession.
6. List how many test weights you have and in what sizes.
7. Show the date test equipment was last certified by a NIST approved laboratory.
8. Return the original application(s) and keep a copy for your records.

If you would like to renew our license online. (Fee applies)

- 1) Visit the following website.  
<http://www.kellysolutions.com/ia/Service/ERenewals/ServiceRenewalLogin.asp>
- 2) Enter your username and password (provided below) and follow the easy steps to complete your renewal.

User Name: 298  
Password: 28471504

**Mailing Address:**  
Iowa Department of Agriculture  
Weights & Measures Bureau  
2230 South Ankeny Blvd.  
Ankeny IA 50023



# LIQUID TEST REPORT

1301 40<sup>th</sup> Street NW • Fargo, ND 58102 • (701) 282-9260  
 635 31<sup>st</sup> Street NE • Minot, ND 58701 • (701) 852-3145

Work Order Number <b>50725</b>
Invoice Number

Operator No. <b>1642</b>	Date <b>11-2-15</b>	Date Last Tested	<b>Check All That Apply</b> <input type="checkbox"/> Self Certification <input type="checkbox"/> New Installation <input checked="" type="checkbox"/> Routine Service <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Equipment Repaired <input type="checkbox"/> Rejected Equipment    Tag # (attach) _____ <input type="checkbox"/> Non-Commercial <input type="checkbox"/> Service Contract?    Expires _____ <input type="checkbox"/> Variance Posted? <input type="checkbox"/> Yes <input type="checkbox"/> No
Name of Business <b>2115 Car Wash</b>			
Location of Device <b>2727 13<sup>th</sup> Ave S</b>			
Mailing Address <b>2727 13<sup>th</sup> Ave S</b>			
City <b>Fargo</b>	State <b>ND</b>	Zip Code <b>58106</b>	
County <b>Cass</b>	Telephone Number <b>701 237 0133</b>		

Standard Use <b>Scraper</b>	Size <b>5gal</b>	Last Cal. Date <b>3/15</b>
--------------------------------	---------------------	-------------------------------

TYPE OF DEVICE/PSC CODE						
Retail Pump	Mobile Delivery	LPG Propane	Liquid Fert./Agr. Chemical	Pipeline/Transport	CNG	Other
16	19	21G	21F	20	21C	

Fill out all that apply:

Device Code	Meter/Pump/Hose#	Product	Serial #	Variance		Meter Factor/Totalizer Readings		Money Error	Approved (A) Rejected (R)
				As Found	As Left	Before	After		
				(State Units)					
16	1	Unk	EN203151	0/0	0/0				A
16	1	Sub	EN203151	+1/0	+1/0				A
16	1	DSL	EN203151	+1/1	+1/1				A
16	2	Unk	EN203151	+2/1	+2/1				A
16	2	Sub	EN203151	+2/0	+2/0				A
16	2	DSL	EN203151	+1/1	+1/1				A
16	3	Unk	EN203148	+1/2/+1	+1/2/+1				A
16	3	Sub	EN203148	+2/2	+2/2				A
16	3	Prem	EN203148	+2/1/2	+2/1/2				A
16	4	Unk	EN203148	0/+1	0/+1				A

Remarks & Adjustments Made


I hereby declare the statements made here are correct:

Are there any other jurisdictions' devices at this location that require testing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Original—Mail To:</b> Public Service Commission 600 E. Boulevard Avenue Bismarck, ND 58505  <b>Yellow Copy—</b> Leave with equipment owner or operator  <b>Blue Copy—</b> For Registrant's Records
HAS SECURITY SEAL AND STICKER BEEN APPLIED? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected	Service Agency (print) <b>ODay Equipment</b>	
Inspector/Permit Holder Signature <i>[Signature]</i>	Permit No. <b>1642</b>	
Owner-Operator Signature		

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334054  
Serial No.: 40961  
Barcode: 019293

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (1/°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-1.11	4.9952	0.62	0.0000186
	As Left	0.15	5.0007	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

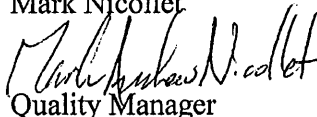
Results apply to item identified in this report only.

Pete Whebbe

Metrologist



Reviewed by:  
Mark Nicollet



Quality Manager

Receipt Date: July 13, 2015  
Test Date: July 13, 2015  
Report Date: July 14, 2015

State Test No.: 334506  
Serial No.: 42840  
Barcode: 200167

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: NICOLE DUNCOMB  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 18

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Poor  
Temperature: 26. °C  
Pressure: 728.8 mmHg  
Relative Humidity: 46. %  
Standard H<sub>2</sub>O Temp.: 26.2 °C  
Artifact H<sub>2</sub>O Temp.: 26.2 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.68	5.0029	0.62	0.0000186
	As Left	0.06	5.0003	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Benjamin FitzPatrick

*Benjamin FitzPatrick*  
Deputy Director

Reviewed by:

Pete Whebbe

*Pete Whebbe*  
Metrologist

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 26, 2015

State Test No.: 334065  
Serial No.: 47900  
Barcode: 202097

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
			Contained At Zero Line (gallons)		
5 gal	As Found	0.01	5.0000	0.62	0.0000186
	As Left	0.01	5.0000	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe



Metrologist

Reviewed by:

Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
 Test Date: March 25, 2015  
 Report Date: March 26, 2015

State Test No.: 334064  
 Serial No.: 11-06423  
 Barcode: 202083

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: LYNN STUHAUG  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: Good  
 Temperature: 19.3 °C  
 Pressure: 736.4 mmHg  
 Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (1/°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	0.04	5.0002	0.62	0.0000265
	As Left	0.04	5.0002	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

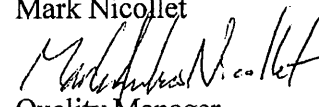
Metrologist



Reviewed by:

Mark Nicollet

Quality Manager



Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 26, 2015

State Test No.: 334063  
Serial No.: 11-89552  
Barcode: 201818

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: Good  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume	Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (1/°F)
		At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-0.56	4.9976	0.62
	As Left	-0.01	5.0000	0.62

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

*Pete Whebbe*  
Metrologist

Reviewed by:  
Mark Nicollet

*Mark Nicollet*  
Quality Manager

Receipt Date: March 24, 2015  
 Test Date: March 25, 2015  
 Report Date: March 26, 2015

State Test No.: 334062  
 Serial No.: 09-49760-11  
 Barcode: 200945

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: LYNN STUHAUG  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Prover  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: Good  
 Temperature: 19.3 °C  
 Pressure: 736.4 mmHg  
 Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (/°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-0.13	4.9994	0.62	0.0000265
	As Left	-0.13	4.9994	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a drain time of 30 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

*Pete J. Whebbe*  
 Metrologist

Reviewed by:  
 Mark Nicollet

*Mark Andrew Nicollet*  
 Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 26, 2015

State Test No.: 334060  
Serial No.: 02-52826  
Barcode: 200194

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-0.01	4.9999	0.62	0.0000186
	As Left	-0.01	4.9999	0.62	

Neck Calibration: No neck calibration was done at this time.


This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

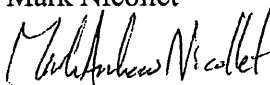
Pete Whebbe



Metrologist

Reviewed by:

Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334058  
Serial No.: 42886  
Barcode: 019911

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (/°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-0.16	4.9993	0.62	0.0000186
	As Left	-0.16	4.9993	0.62	

Neck Calibration: No neck calibration was done at this time.


This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.


Results apply to item identified in this report only.

Pete Whebbe



Metrologist

Reviewed by:  
Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334057  
Serial No.: 42862  
Barcode: 019893

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained		Coefficient of Expansion (1/°F)
			At Zero Line (gallons)	Uncertainty (in <sup>3</sup> )	
5 gal	As Found	-0.31	4.9986	0.62	0.0000186
	As Left	-0.01	4.9999	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

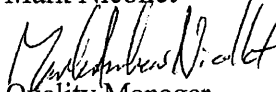
Pete Whebbe



Metrologist

Reviewed by:

Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334056  
Serial No.: 42853  
Barcode: 019892

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume	Error (in <sup>3</sup> )	Volume Contained		Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (/°F)
		As Found	At Zero Line (gallons)		
5 gal	As Found	0.10	5.0004	0.62	0.0000186
	As Left	0.10	5.0004	0.62	

Neck Calibration: No neck calibration was done at this time.


This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.


Results apply to item identified in this report only.

Pete Whobbe



Metrologist

Reviewed by:  
Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334055  
Serial No.: 29726  
Barcode: 019891

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Mild Steel  
Equipment Number: None  
Condition: Fair/Dirty  
Temperature: 19.3 °C  
Pressure: 736.4 mmHg  
Relative Humidity: 34. %

Nominal Volume		Error (in <sup>3</sup> )	Volume Contained	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (/°F)
			At Zero Line (gallons)		
5 gal	As Found	-0.34	4.9985	0.62	0.0000186
	As Left	-0.09	4.9996	0.62	

Neck Calibration: No neck calibration was done at this time.


This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe



Metrologist

Reviewed by:  
Mark Nicollet



Quality Manager

Receipt Date: July 13, 2015  
 Test Date: July 13, 2015  
 Report Date: July 14, 2015

State Test No.: 334507  
 Serial No.: 15-92456  
 Barcode: 202809

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 18

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: SERAPHIN  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 26. °C  
 Pressure: 728.8 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 21.2 °C  
 Artifact H<sub>2</sub>O Temp.: 21.1 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.03	5.0001	0.62	0.0000265
	As Left	0.03	5.0001	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Benjamin FitzPatrick

*Benjamin FitzPatrick*  
 Deputy Director

Reviewed by:

Pete Whebbe

*Pete Whebbe*  
 Metrologist

Receipt Date: July 13, 2015  
 Test Date: July 13, 2015  
 Report Date: July 14, 2015

State Test No.: 334508  
 Serial No.: 15-92451  
 Barcode: 202810

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 18

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: SERAPHIN  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 26. °C  
 Pressure: 728.8 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 21.3 °C  
 Artifact H<sub>2</sub>O Temp.: 21.3 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (°F)
5	As Found	0.14	5.0006	0.62	0.0000265
	As Left	0.14	5.0006	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Benjamin FitzPatrick

*Benjamin FitzPatrick*  
 Deputy Director

Reviewed by:

Pete Whebbe

*Pete Whebbe*  
 Metrologist

Receipt Date: July 13, 2015  
Test Date: July 14, 2015  
Report Date: July 14, 2015

State Test No.: 334509  
Serial No.: 15-92443  
Barcode: 202811

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: NICOLE DUNCOMB  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: New  
Temperature: 25.8 °C  
Pressure: 732.3 mmHg  
Relative Humidity: 46. %  
Standard H<sub>2</sub>O Temp.: 24.5 °C  
Artifact H<sub>2</sub>O Temp.: 24.5 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.35	5.0015	0.62	0.0000265
	As Left	0.01	5.0000	0.62	

Neck Calibration: No neck calibration was done at this time.


This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

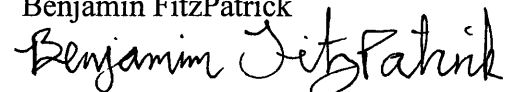
Pete Whebbe



Metrologist

Reviewed by:

Benjamin FitzPatrick



Deputy Director

Receipt Date: July 13, 2015  
 Test Date: July 14, 2015  
 Report Date: July 14, 2015

State Test No.: 334510  
 Serial No.: 15-92404  
 Barcode: 202812

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 25.8 °C  
 Pressure: 732.3 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 24.5 °C  
 Artifact H<sub>2</sub>O Temp.: 24.5 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (°F)
5	As Found	0.44	5.0019	0.62	0.0000265
	As Left	-0.01	4.9999	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

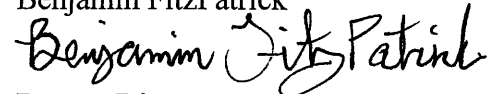
Pete Whobbe



Metrologist

Reviewed by:

Benjamin FitzPatrick



Deputy Director

Receipt Date: July 13, 2015  
 Test Date: July 14, 2015  
 Report Date: July 14, 2015

State Test No.: 334511  
 Serial No.: 15-92427  
 Barcode: 202813

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 25.8 °C  
 Pressure: 732.3 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 24.6 °C  
 Artifact H<sub>2</sub>O Temp.: 24.6 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.14	5.0006	0.62	0.0000265
	As Left	0.14	5.0006	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

*Pete J. Whebbe*  
 Metrologist

Reviewed by:

Benjamin FitzPatrick

*Benjamin FitzPatrick*  
 Deputy Director

Receipt Date: July 13, 2015  
Test Date: July 14, 2015  
Report Date: July 14, 2015

State Test No.: 334512  
Serial No.: 15-92448  
Barcode: 202814

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: NICOLE DUNCOMB  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 32  
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: New  
Temperature: 25.8 °C  
Pressure: 732.3 mmHg  
Relative Humidity: 46. %  
Standard H<sub>2</sub>O Temp.: 24.9 °C  
Artifact H<sub>2</sub>O Temp.: 25.0 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
5	As Found	0.43	5.0019	0.62	0.0000265
	As Left	-0.06	4.9997	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

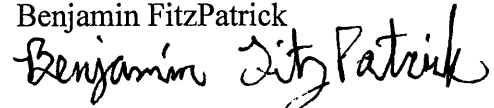
Metrologist



Reviewed by:

Benjamin FitzPatrick

Deputy Director



Receipt Date: July 13, 2015  
 Test Date: July 14, 2015  
 Report Date: July 14, 2015

State Test No.: 334513  
 Serial No.: 15-92453  
 Barcode: 202815

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 25.8 °C  
 Pressure: 732.3 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 20.4 °C  
 Artifact H<sub>2</sub>O Temp.: 20.6 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (/°F)
5	As Found	0.42	5.0018	0.62	0.0000265
	As Left	-0.08	4.9997	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

*Pete Whebbe*  
 Metrologist

Reviewed by:

Benjamin FitzPatrick

*Benjamin FitzPatrick*  
 Deputy Director

Receipt Date: July 13, 2015  
 Test Date: July 14, 2015  
 Report Date: July 14, 2015

State Test No.: 334514  
 Serial No.: 15-92450  
 Barcode: 202816

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 25.8 °C  
 Pressure: 732.3 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 20.8 °C  
 Artifact H<sub>2</sub>O Temp.: 20.9 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.46	5.0020	0.62	0.0000265
	As Left	-0.11	4.9995	0.62	


Neck Calibration: No neck calibration was done at this time.

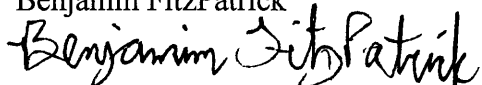
This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whipple  
  
 Metrologist

Reviewed by:  
 Benjamin FitzPatrick  
  
 Deputy Director

Receipt Date: July 13, 2015  
 Test Date: July 14, 2015  
 Report Date: July 14, 2015

State Test No.: 334515  
 Serial No.: 15-92411  
 Barcode: 202817

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: NICOLE DUNCOMB  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 32  
 Technician ID: 11

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: New  
 Temperature: 25.8 °C  
 Pressure: 732.3 mmHg  
 Relative Humidity: 46. %  
 Standard H<sub>2</sub>O Temp.: 21.1 °C  
 Artifact H<sub>2</sub>O Temp.: 21.1 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero		Coefficient of Expansion (°F)
			Line (gal)	Uncertainty (in <sup>3</sup> )	
5	As Found	0.27	5.0012	0.62	0.0000265
	As Left	-0.06	4.9997	0.62	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Pete Whebbe

*Pete J. Whebbe*  
 Metrologist

Reviewed by:

Benjamin FitzPatrick

*Benjamin FitzPatrick*

Deputy Director

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334050  
Serial No.: 12640  
Barcode: 019910

## Pressure Correction Chart

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 34  
Technician ID: 07

Item(s) Submitted: 100 gallon LPG Prover  
Manufacturer: Arrow Tank  
Material: Mild Steel  
Description: Wet Bottom  
Condition: Good  
Temperature: 18.4°C  
Pressure: 737.4 mmHg  
Relative Humidity: 30. %

Pressure Gauge Reading (PSIG)	Volume Correction (gal)
0	-0.181
10	-0.165
20	-0.148
30	-0.132
40	-0.115
50	-0.099
60	-0.088
70	-0.078
80	-0.067
90	-0.057
100	-0.046
110	-0.040
120	-0.034
130	-0.028
140	-0.022
150	-0.016
160	-0.008
170	0.001
180	0.009
190	0.018
200	0.026

Mark Nicollet



Quality Manager

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334050  
Serial No.: 12640  
Barcode: 019910

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 34  
Technician ID: 07

Item(s) Submitted: 100 gallon LPG Prover  
Manufacturer: Arrow Tank  
Material: Mild Steel  
Description: Wet Bottom  
Condition: Good  
Temperature: 18.4°C  
Pressure: 737.4 mmHg  
Relative Humidity: 30. %

Nominal Volume	Error As Found (in <sup>3</sup> )	Error As Left (in <sup>3</sup> )	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion(/°F)
100 gal	-11	-11	10	0.0000186

Neck Calibration: No neck calibration was done at this time.

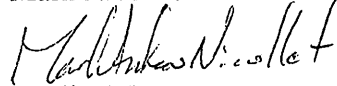
This prover has been calibrated as a "to contain after wet down" vessel at a reference temperature of 60 °F and a reference pressure of 100 psig.

The prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95%.

Results apply to item identified in this report only.

Mark Nicollet



Quality Manager

Reviewed by:

Pete Whebbe



Metrologist

Receipt Date: March 24, 2015  
Test Date: March 25, 2015  
Report Date: March 25, 2015

State Test No.: 334052  
Serial No.: 103  
Barcode: 018789

## Calibration Report

O'DAY EQUIPMENT  
1301 40TH ST NW  
FARGO, ND 58108-2706  
Contact: LYNN STUHAUG  
Phone: 701-282-9260  
PO Number: NONE  
SOP: 33  
Technician ID: 07

Item(s) Submitted: 100 Gallon Prover  
Manufacturer: KLEESPIE  
Material: Mild Steel  
Description: Dry Bottom  
Condition: Fair  
Temperature: 18.8°C  
Pressure: 735. mmHg  
Relative Humidity: 37. %

Nominal Volume		Volume (gallons)	Error (in <sup>3</sup> )	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion(°F)
100 gal	As Found	100.006	1.3	3.0	0.0000186
	As Left	100.006	1.3	3.0	

Neck Calibration: No neck calibration was done at this time.


This prover has been calibrated as a "to contain after wet down" vessel with a drain time of 30 seconds after cessation of full flow and at a reference temperature of 60 °F.

The prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Mark Nicollet

  
Quality Manager

Reviewed by:

Pete Whebbe

  
Metrologist

Receipt Date: March 24, 2015  
 Test Date: March 25, 2015  
 Report Date: March 25, 2015

State Test No.: 334051  
 Serial No.: 3758  
 Barcode: 019923

## Calibration Report

O'DAY EQUIPMENT  
 1301 40TH ST NW  
 FARGO, ND 58108-2706  
 Contact: LYNN STUHAUG  
 Phone: 701-282-9260  
 PO Number: NONE  
 SOP: 33  
 Technician ID: 07

Item(s) Submitted: 100 Gallon Prover  
 Manufacturer: Unknown  
 Material: Mild Steel  
 Description: Dry Bottom  
 Condition: Good  
 Temperature: 18.7°C  
 Pressure: 735.6 mmHg  
 Relative Humidity: 38. %

Nominal Volume		Volume (gallons)	Error (in <sup>3</sup> )	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion(°F)
100 gal	As Found	100.008	1.8	3.0	0.0000186
	As Left	100.008	1.8	3.0	

Neck Calibration: No neck calibration was done at this time.

This prover has been calibrated as a "to contain after wet down" vessel with a drain time of 30 seconds after cessation of full flow and at a reference temperature of 60 °F.

The prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to NIST Technical Note 1297. The confidence interval is 95 %.

Results apply to item identified in this report only.

Mark Nicollet

  
 Quality Manager

Reviewed by:

Pete Whebbe

  
 Metrologist



ODL





JWA