APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (2/2014)

RECEIVED
NOV 16 2017
ND Public Service Commission

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

Name of Company	Email Address	Application Date	
O'Day Equipment	service@odayequipment.com	11.14.17	
Mailing Address	**City**	**State**	**Zip Code**
1301 40th St N	Fargo	ND	58102
Telephone Number	**Cell Phone Number**	**Fax Number**	
701-282-9260		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)
☐ 1. Rail	☑ 1. Retail Fuel (less than 20 gal. per minute)
☐ 2. Truck	☑ 2. High Flow Retail Fuel (20 gal. per minute or greater)
☐ 3. Livestock	☑ 3. Vehicle Tank: Max. Flow Rate: _____
☐ 4. Hopper: Max. Capacity: _____	☑ 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____
☐ 5. Belt	☑ 5. LPG
☐ 6. Over 30 lbs.: Max. Capacity: _____	☑ 6. Stationary LPG
☐ 7. 30 lbs. or less	☐ 7. Fertilizer: Max. Flow Rate: _____
☐ 8. Class II **(indicate on your calibration report which weight kit is Class II certified)**	☐ 8. Chemical
☐ 9. Other: Please List:	☐ 9. Anhydrous
	☐ 10. Loading Rack
	☐ 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*
1567	Mark Kasson	123456
1644	Paul Kallestad	1234
1642	Jacob Uhden	123456
1694	Adam Kanarr	1234
1701	Josh Anderson	123456
1672	Jim Andrews	1,2,3 4

Continued on Page 2

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

Additional Application Items (initial where appropriate):

Standardized Test Report	____ Copy enclosed __X__ No change in report filed previously
Tested and Approved Sticker	____ Copy enclosed __X__ No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	____ Copy enclosed __X__ 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

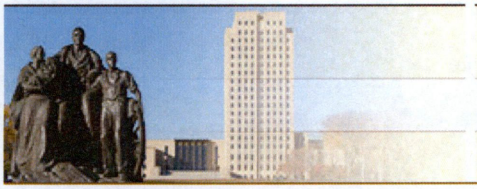
I am Kim Blythe, and have authority to represent this company. By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

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

North Dakota nd.gov Official Portal for North Dakota State Government



SECRETARY OF STATE
NORTH DAKOTA

O'DAY EQUIPMENT, LLC

Corporation Details

System ID: 22745300
Type: LIMITED LIABILITY COMPANY
Status: Active & Good Standing
Original File Date: 12/12/2006
State of Origin: North Dakota

Phone: (800) 654-6329

Effective Date: 12/12/2006

Nature of Business

OPERATE A PETROLEUM EQUIPMENT BUSINESS

Principal Office

1301 40TH ST NW PO BOX 2706 FARGO, ND 58108-2706

Registered Agent

D JAMES O'DAY
1301 40TH ST N
PO BOX 2706
FARGO, ND 58108-2706
Established Date: Dec 12, 2006

Generate an Annual Report To File

To Generate a Annual Report form to be filed with the Secretary of State, select the appropriate year of the report you intend to file. This report does not contain details of a report previously filed with the Secretary of State. The annual report years reflected are an indication of the various report forms available in this site and is not an indication that an entity needs to file reports for all years. Missing years indicate that the forms for the missing year have not yet been deployed to the website, or have already been removed, and can be obtained by contacting the Secretary of State.

2017 (generates a forms-fillable pdf in a new pop-up window)

Return to Search Results

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Jim A.

Receipt Date: April 7, 2017
Cal. Date: April 12, 2017
Report Date: April 13, 2017

Report No.: 337552
Serial No.: 15-92404
Barcode: 202812

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 19.3 °C
Pressure: 742.4 mmHg
Relative Humidity: 48.3 %
Standard H_2O Temp.: 15.2 °C
Artifact H_2O Temp.: 15.2 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	5.0020	0.46	2.06	0.25	0.0000265
	As Left	5.0002	0.04			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF
COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
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651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 20, 2017
Cal. Date: April 25, 2017
Report Date: April 25, 2017

Report No.: 337625
Serial No.: 11-06413
Barcode: 202099

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 20.2 °C
Pressure: 725.7 mmHg
Relative Humidity: 54.4 %
Standard H_2O Temp.: 17.1 °C
Artifact H_2O Temp.: 17.4 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9994	-0.15	2.06	0.25	0.0000265
	As Left	4.9994	-0.15			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Pete Whebbe
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF
COMMERCE
WEIGHTS & MEASURES DIVISION

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BURNSVILLE, MN 55306-7008
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651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337546
Serial No.: 40961
Barcode: 019293

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Mild Steel
Type: Measure
Condition: Fair/Dirty
Temperature: 19.1 °C
Pressure: 743.4 mmHg
Relative Humidity: 46.5 %
Standard H_2O Temp.: 10.7 °C
Artifact H_2O Temp.: 11.0 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9994	-0.15	2.06	0.25	0.0000186
	As Left	4.9994	-0.15			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Pete Whebbe
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337547
Serial No.: 29726
Barcode: 019891

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Mild Steel
Type: Measure
Condition: Fair
Temperature: 19.1 °C
Pressure: 743.4 mmHg
Relative Humidity: 46.5 %
Standard H_2O Temp.: 11.2 °C
Artifact H_2O Temp.: 11.4 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	5.0033	0.76	2.06	0.25	0.0000186
	As Left	5.0000	-0.01			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Pete Whebbe
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
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Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337548
Serial No.: 42853
Barcode: 019892

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Mild Steel
Type: Measure
Condition: Good
Temperature: 19.1 °C
Pressure: 743.4 mmHg
Relative Humidity: 46.5 %
Standard H_2O Temp.: 11.8 °C
Artifact H_2O Temp.: 12.0 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9994	-0.13	2.06	0.25	0.0000186
	As Left	4.9994	-0.13			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

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Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Pete Whebbe
Peter J Whebbe
Metrologist

Reviewed by:
Mark Nicollet
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
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AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337550
Serial No.: 09-49760-11
Barcode: 200945

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Prover
Manufacturer: Seraphin
Material: Stainless Steel
Type: No Bottom Zero
Condition: Good
Temperature: 19.5 °C
Pressure: 742.8 mmHg
Relative Humidity: 44.4 %
Standard H_2O Temp.: 14.3 °C
Artifact H_2O Temp.: 14.5 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9995	-0.11	2.06	0.25	0.0000265
	As Left	4.9995	-0.11			

Neck Calibration: No neck calibration was performed 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.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

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Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Pete Whebbe
Peter J Whebbe
Metrologist

Reviewed by:
Erik Alfvin
Metrologist

NVLAP LAB CODE 105003-0

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
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AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 12, 2017
Report Date: April 13, 2017

Report No.: 337551
Serial No.: 15-92451
Barcode: 202810

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 19.3 °C
Pressure: 742.4 mmHg
Relative Humidity: 48.3 %
Standard H_2O Temp.: 16.2 °C
Artifact H_2O Temp.: 16.1 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9981	-0.45	2.06	0.25	0.0000265
	As Left	4.9999	-0.02			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 12, 2017
Report Date: April 13, 2017

Report No.: 337553
Serial No.: 15-92427
Barcode: 202813

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 19.3 °C
Pressure: 742.4 mmHg
Relative Humidity: 48.3 %
Standard H_2O Temp.: 16.0 °C
Artifact H_2O Temp.: 16.0 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	4.9994	-0.14	2.06	0.25	0.0000265
	As Left	4.9994	-0.14			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

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Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

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Receipt Date: April 7, 2017
Cal. Date: April 12, 2017
Report Date: April 13, 2017

Report No.: 337554
Serial No.: 15-92453
Barcode: 202815

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 19.3 °C
Pressure: 742.4 mmHg
Relative Humidity: 48.3 %
Standard H_2O Temp.: 16.4 °C
Artifact H_2O Temp.: 16.4 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
5	As Found	5.0011	0.25	2.06	0.25	0.0000265
	As Left	5.0011	0.25			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337549
Serial No.: 42840
Barcode: 200167

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 19
Technician ID: 11

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Mild Steel
Type: Measure
Condition: Poor/Dirty/Neck Uniformity*
Temperature: 19.1 °C
Pressure: 743.4 mmHg
Relative Humidity: 46.5 %
Standard H_2O Temp.: 20.0 °C
Artifact H_2O Temp.: 20.0 °C

***Measure does not meet NIST Handbook 105-3 section 4.5.4 for neck uniformity and is REJECTED.**

Pete Whebbe
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
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AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 20, 2017
Cal. Date: April 26, 2017
Report Date: April 26, 2017

Report No.: 337640
Serial No.: 3758 (Tall)
Barcode: 019923

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 100 Gallon Prover
Manufacturer: Unknown
Material: Mild Steel
Type: No Bottom Zero
Condition: Good
Temperature: 20.3 °C
Pressure: 725.8 mmHg
Relative Humidity: 48.8 %
Standard H_2O Temp.: 10.4 °C
Artifact H_2O Temp.: 10.8 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
100	As Found	100.017	4.0	2.00	2.3	0.0000186
	As Left	100.017	4.0			

Neck Calibration: No neck calibration was performed 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.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF
COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 20, 2017
Cal. Date: April 26, 2017
Report Date: April 26, 2017

Report No.: 337641
Serial No.: 103 (Short)
Barcode: 018789

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: None
Procedure: NIST SOP 19
Technician ID: 19

Item(s) Submitted: 100 Gallon Prover
Manufacturer: Kleespie
Material: Mild Steel
Type: No Bottom Zero
Condition: Good
Temperature: 20.6 °C
Pressure: 724.9 mmHg
Relative Humidity: 52.0 %
Standard H_2O Temp.: 10.0 °C
Artifact H_2O Temp.: 10.2 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
100	As Found	100.014	3.3	2.00	2.3	0.0000186
	As Left	100.014	3.3			

Neck Calibration: No neck calibration was performed 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.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in^3 = 0.00378541 m^3.

Erik Alfvin
Metrologist

Reviewed by:
Mark Nicollet
Quality Manager

MINNESOTA DEPARTMENT OF
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WEIGHTS & MEASURES DIVISION

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BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
Report Date: April 11, 2017

Report No.: 337545
Serial No.: 12640
Barcode: 019910

Calibration Certificate

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
Procedure: NIST SOP 21
Technician ID: 07

Item(s) Submitted: 100 Gallon LPG Prover
Manufacturer: Arrow Tank
Material: Mild Steel
Description: Zero Bottom
Condition: Good
Temperature: 19.7 °C
Pressure: 742.0 mmHg
Relative Humidity: 46.0 %
Standard H_2O Temp. 8.6 °C
Artifact H_2O Temp.: 9.0 °C

Nominal Volume (gal)		Calibrated Volume (gal)	Error (in^3)	k	U (in^3)	CCE (/°F)
100	As Found (at 100 psig)	99.9508	-11.4	2.02	5.3	0.0000186
	As Left (at 100 psig)	99.9508	-11.4			

Neck Calibration: No neck calibration was performed 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. The 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-4 (2016). Uncertainty calculations contain the components in NIST SOP 21 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including covereage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F.

Mark Nicollet
Quality Manager

Reviewed by:
Pete Whebbe
Metrologist

MINNESOTA DEPARTMENT OF
COMMERCE
WEIGHTS & MEASURES DIVISION

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
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651.539.1555 FAX 952.435.4040
AN EQUAL OPPORTUNITY EMPLOYER

Receipt Date: April 7, 2017
Cal. Date: April 11, 2017
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Report No.: 337545
Serial No.: 12640
Barcode: 019910

Pressure Correction Chart

O'DAY EQUIPMENT
1301 40TH ST NW
FARGO, ND 58102-2813
Contact: NICOLE DUNCOMB
Phone: 701-282-9260
PO Number: NONE
SOP: NIST SOP 21
Technician ID: 7

Item(s) Submitted: 100 Gallon LPG Prover
Manufacturer: Arrow Tank
Material: Mild Steel
Description: Zero Bottom
Condition: Good
Temperature: 19.7 °C
Pressure: 742. mmHg
Relative Humidity: 46.0 %

Pressure Gauge Reading (psig)	Corrected Volume (gal)
0	99.8333
10	99.8458
20	99.8583
30	99.8708
40	99.8833
50	99.8958
60	99.9068
70	99.9178
80	99.9288
90	99.9398
100	99.9508
110	99.9578
120	99.9648
130	99.9718
140	99.9788
150	99.9858
160	99.9918
170	99.9978
180	100.0038
190	100.0098
200	100.0158

Mark Nicollet
Quality Manager

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

2017

Scope

Mass Echelon I
10 kg to 1 mg

Mass Echelon II
50 kg to 1 mg
1000 lb to 0.001 lb
4 oz to 0.03125 oz

Mass Echelon III
50 kg to 1 mg
5000 lb to 0.001 lb
4 oz to 0.03125 oz

Weight Carts
10 000 lb to 2000 lb

Wheel Load Weighers
20 000 lb to 2000 lb

Railroad Test Cars
110 000 lb to 80 000 lb

Volume Gravimetric, I
20 L to 10 mL
100 gal to 0.25 qt

Volume Transfer, II
1500 gal to 5 gal
100 gal to 25 gal LPG

Georgia L. Harris, Acting Chief
NIST Office of Weights and Measures

Effective Dates: 2017-01-01 to 2017-12-31

Amended: 2016-12-31
Scope modified for 2017.

(Rev.: March 2013)