



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

Name of Company	Email Address	Application Date	
Midwest Liquid Systems	mlse.midwestliquid.com	9/25/15	
Mailing Address	City	State	Zip Code
1414 21st Ave PO Box 71	Eldora	IA	50627
Telephone Number	Cell Phone Number	Fax Number	
641-858-2668		641-858-3424	

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 type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input 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
1735	James A. Smith	Liquid



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

Seraphin	14-56263-02	
Seraphin	13-91651	
Seraphin	04-20835-02	
Seraphin	10-07021	

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 checked="" type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<input type="checkbox"/> Copy enclosed
	<input checked="" 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 Harold Meyer, 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.

Harold Meyer
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



Receipt Date: January 16, 2015
 Test Date: January 21, 2015
 Report Date: January 21, 2015

State Test No.: 333679
 Serial No.: 14-56263-02
 Barcode: 202678

Calibration Report

MIDWEST LIQUID SYTEMS
 1414 21ST AVENUE
 ELDORA, IA 50627
 Contact: DAN TIENSVOLD
 Phone: 641-858-2668
 PO Number: None
 SOP: 33
 Technician ID: 18

Item(s) Submitted: 50 Gallon Prover
 Manufacturer: SERAPHIN
 Material: Stainless Steel
 Description: Dry Bottom
 Condition: New
 Temperature: 19.5°C
 Pressure: 740.5 mmHg
 Relative Humidity: 32. %

Nominal Volume		Volume (gallons)	Error (in ³)	Uncertainty (in ³)	Coefficient of Expansion(°F)
50 gal	As Found	50.003	0.6	4.4	0.0000265
	As Left	50.003	0.6	4.4	

Neck Calibration: A neck calibration was performed and was within tolerance.

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.

Benjamin FitzPatrick

Deputy Director

Reviewed by:

Mark Nicollet

Quality Manager



Receipt Date: October 22, 2014
 Test Date: November 7, 2014
 Report Date: November 7, 2014

State Test No.: 333295
 Serial No.: 13-91651
 Bar Code: 202622

Calibration Report

MIDWEST LIQUID SYTEMS
 1414 21ST AVENUE
 ELDORA, IA 50627
 Contact: DAN TIENSVOLD
 Phone: 641-858-2668
 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: 17.6 °C
 Pressure: 735.3 mmHg
 Relative Humidity: 35. %

Nominal Volume		Error (in ³)	Volume Contained At Zero Line (gallons)	Uncertainty (in ³)	Coefficient of Expansion (/°F)
5 gal	As Found	0.36	5.0016	0.62	0.0000265
	As Left	0.05	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.

Benjamin FitzPatrick

Benjamin FitzPatrick
 Deputy Director

Reviewed by:

Kari Anderson

Kari Anderson
 Metrologist



Receipt Date: December 9, 2014
Test Date: December 17, 2014
Report Date: December 19, 2014

State Test No.: 333540
Serial No.: 04-20835-02
Barcode: 200307

Calibration Report

MIDWEST LIQUID SYTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 32
Technician ID: 13

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Equipment Number: None
Condition: Very Dirty
Temperature: 19.6 °C
Pressure: 744.4 mmHg
Relative Humidity: 32. %

Nominal Volume		Error (in ³)	Volume Contained At Zero Line (gallons)	Uncertainty (in ³)	Coefficient of Expansion (1/°F)
5 gal	As Found	-0.04	4.9998	0.62	0.0000265
	As Left	-0.04	4.9998	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.

Kari Anderson
Kari Anderson
Metrologist

Reviewed by:
Mark Nicollet
Mark Nicollet
Quality Manager



Receipt Date: December 9, 2014
 Test Date: December 17, 2014
 Report Date: December 19, 2014

State Test No.: 333541
 Serial No.: 10-07021
 Barcode: 201615

Calibration Report

MIDWEST LIQUID SYTEMS
 1414 21ST AVENUE
 ELDORA, IA 50627
 Contact: DAN TIENSVOLD
 Phone: 641-858-2668
 PO Number: NONE
 SOP: 32
 Technician ID: 13

Item(s) Submitted: 5 Gallon Measure
 Manufacturer: Seraphin
 Material: Stainless Steel
 Equipment Number: None
 Condition: Very Dirty
 Temperature: 19.6 °C
 Pressure: 744.4 mmHg
 Relative Humidity: 32. %

Nominal Volume		Error (in ³)	Volume Contained At Zero Line (gallons)	Uncertainty (in ³)	Coefficient of Expansion (1/°F)
5 gal	As Found	0.02	5.0001	0.62	0.0000265
	As Left	0.02	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. 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.

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Kari Anderson

 Metrologist

Reviewed by:
 Mark Nicollet

 Quality Manager