



Receipt Date: August 19, 2014
Test Date: August 19, 2014
Report Date: August 19, 2014

State Test No.: 332976
Serial No.: 03-19207-13
Bar Code: 201317

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 32
Technician ID: 07

Item(s) Submitted: 5 Gallon Prover
Manufacturer: Seraphin
Material: SS
Equipment Number: None
Condition: Good
Temperature: 26.5°C
Pressure: 730.8 mmHg
Relative Humidity: 56. %

Nominal Volume		Error (in ³)	Volume Contained At Zero Line (gallons)	Uncertainty (in ³)	Coefficient of Expansion (/°F)
5 gal	As Found	-0.20	4.9991	0.62	0.0000265
	As Left	-0.05	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 drain time of 30 seconds, 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.

Mark Nicollet

Quality Manager

Reviewed by:

Kari Anderson

Metrologist

Receipt Date: August 19, 2014
Test Date: August 19, 2014
Report Date: August 19, 2014



State Test No.: 332977
Serial No.: 02-52149
Bar Code: 201319

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 32
Technician ID: 13

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: MS
Equipment Number: None
Condition: Good
Temperature: 24.7°C
Pressure: 731.1 mmHg
Relative Humidity: 59. %

Nominal Volume		Error (in ³)	Volume Contained	Uncertainty (in ³)	Coefficient of Expansion (°F)
			At Zero Line (gallons)		
5 gal	As Found	-0.07	4.9997	0.62	0.0000186
	As Left	-0.07	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 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: August 19, 2014
Test Date: August 19, 2014
Report Date: August 19, 2014

State Test No.: 332978
Serial No.: None
Bar Code: 201808

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 32
Technician ID: 13

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Ellisco
Material: ms
Equipment Number: None
Condition: Good
Temperature: 25.6°C
Pressure: 731.1 mmHg
Relative Humidity: 57. %

Nominal Volume		Error (in ³)	Volume Contained	Uncertainty (in ³)	Coefficient of Expansion (°F)
			At Zero Line (gallons)		
5 gal	As Found	-0.21	4.9991	0.62	0.0000186
	As Left	-0.21	4.9991	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 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

Metrologist

Reviewed by:

Mark Nicollet

Quality Manager



Receipt Date: August 19, 2014
Test Date: August 19, 2014
Report Date: August 19, 2014

State Test No.: 332979
Serial No.: None
Bar Code: 201321

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 32
Technician ID: 13

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: MS
Equipment Number: None
Condition: Good
Temperature: 25.7°C
Pressure: 731.1 mmHg
Relative Humidity: 56. %

Nominal Volume		Error (in ³)	Volume Contained	Uncertainty (in ³)	Coefficient of Expansion (°F)
			At Zero Line (gallons)		
5 gal	As Found	-0.15	4.9994	0.62	0.0000186
	As Left	-0.15	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 pour time of 30 seconds, a drain time of 10 seconds after cessation of 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

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 651.539.1553
AN EQUAL OPPORTUNITY EMPLOYERReceipt Date: August 19, 2014
Test Date: September 4, 2014
Report Date: September 4, 2014State Test No.: 332991
Serial No.: 03-18752-04
Bar Code: 201316

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 32
Technician ID: 07Item(s) Submitted: 5 Gallon Prover
Manufacturer: Seraphin
Material: SS
Equipment Number: None
Condition: Good
Temperature: 26.6°C
Pressure: 728.3 mmHg
Relative Humidity: 60. %

Nominal Volume		Error (in ³)	Volume Contained	Uncertainty (in ³)	Coefficient of Expansion (/°F)
			At Zero Line (gallons)		
5 gal	As Found	-0.01	5.0000	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 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.

Mark Nicollet

Quality Manager

Reviewed by:

Kari Anderson

Metrologist

14305 SOUTHCROSS DRIVE #150
BURNSVILLE, MN 55306-7008
MN.GOV/COMMERCE/
651.539.1555 FAX 651.539.1553
AN EQUAL OPPORTUNITY EMPLOYERReceipt Date: August 19, 2014
Test Date: September 3, 2014
Report Date: September 3, 2014State Test No.: 332990
Serial No.: 05-41532-03
Bar Code: 202361

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 33
Technician ID: 07Item(s) Submitted: 50 Gallon Prover
Manufacturer: Seraphin
Material: SS
Description: Dry Bottom
Condition: Good
Temperature: 27.1°C
Pressure: 729.1 mmHg
Relative Humidity: 48. %

Nominal Volume		Volume (gallons)	Error (in ³)	Uncertainty (in ³)	Coefficient of Expansion(/°F)
50 gal	As Found	50.012	2.8	4.4	0.0000265
	As Left	50.012	2.8	4.4	

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 Nicolet

Quality Manager

Reviewed by:

Kari Anderson

Metrologist



Receipt Date: August 19, 2014
Test Date: August 19, 2014
Report Date: August 19, 2014

State Test No.: 332975
Serial No.: 3967360-5
Bar Code: 201315

Calibration Report

R&R PETROLEUM EQUIPMENT SALES
5115 COUNTY ROAD 81 N
FARGO, ND 58102-7401
Contact: JIM SCHAEFER
Phone: 701-293-1707
PO Number: NONE
SOP: 33
Technician ID: 07

Item(s) Submitted: 100 Gallon Prover
Manufacturer: Brownie
Material: SS
Description: Dry Bottom
Condition: Good
Temperature: 25.3°C
Pressure: 731.1 mmHg
Relative Humidity: 56. %

Nominal Volume		Volume (gallons)	Error (in ³)	Uncertainty (in ³)	Coefficient of Expansion(°F)
100 gal	As Found	99.982	-4.0	3.0	0.0000265
	As Left	100.002	0.4	3.0	

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

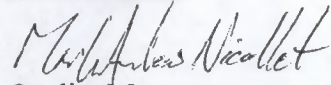
This prover has been calibrated as a "to contain after wet down" vessel with a drain time of 30 seconds after cessation of flow and at a reference temperature of 60°F.

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:

Kari Anderson


Metrologist