



Receipt Date: May 11, 2015
Test Date: May 13, 2015
Report Date: May 13, 2015

State Test No.: 334242
Serial No.: 060810915-0201
Barcode: 200748

Calibration Report

WESTMOR FLUID SOLUTIONS LLC
14044 W. FREEWAY DRIVE
COLUMBUS, MN 55038
Contact: Ryan Hartin
Phone: 763-502-9613
PO Number: NONE
SOP: 33
Technician ID: 07

Item(s) Submitted: 100 Gallon Prover
Manufacturer: Determan Brownie, Inc.
Material: Stainless Steel (304)
Description: Dry Bottom
Condition: Good
Temperature: 21.8°C
Pressure: 743.4 mmHg
Relative Humidity: 43. %
Standard H₂O Temp.: 11.8 °C
Artifact H₂O Temp.: 12.0 °C

Nominal Volume (gal)		Tested Volume (gal)	Error (in ³)	Uncertainty (in ³)	Coefficient of Expansion(/°F)
100	As Found	99.997	-0.7	3.0	0.0000288
	As Left	99.997	-0.7	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 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.

Mark Nicollet

Mark Nicollet
Quality Manager

Reviewed by:

Pete Whebbe

Peter J. Whebbe
Metrologist



Receipt Date: May 11, 2015
Test Date: May 13, 2015
Report Date: May 13, 2015

State Test No.: 334241
Serial No.: 060810915-0101
Barcode: 200749

Calibration Report

WESTMOR FLUID SOLUTIONS LLC
14044 W. FREEWAY DRIVE
COLUMBUS, MN 55038
Contact: Ryan Hartin
Phone: 763-502-9613
PO Number: NONE
SOP: 33
Technician ID: 07

Item(s) Submitted: 1000 Gallon Prover
Manufacturer: Determan Brownie Inc
Material: Stainless Steel (304)
Description: Dry Bottom
Condition: Good/New Chart
Temperature: 21.1°C
Pressure: 744.2 mmHg
Relative Humidity: 42. %
Standard H₂O Temp.: 12.9 °C
Artifact H₂O Temp.: 11.3 °C

Nominal Volume (gal)		Tested Volume (gal)	Error (in ³)	Uncertainty (in ³)	Coefficient of Expansion(/°F)
1000	As Found	1000.018	4	30	0.0000288
	As Left	1000.018	4	30	

Neck Calibration: Chart meets NIST Handbook 105-3 specifications for accuracy.

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 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.

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