PASS 3

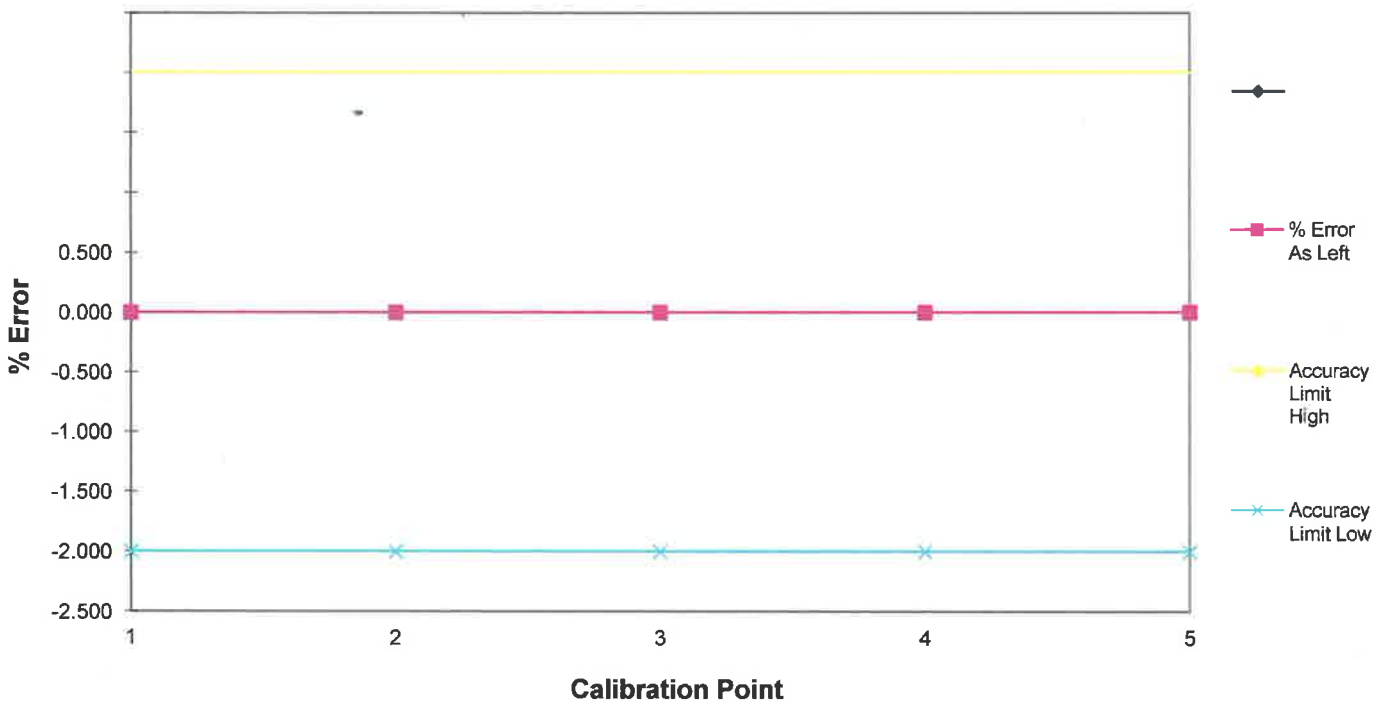
Calibration Certification

Customer Name ABC Coke Plant					Contract/P.O. No.	
Application/Service Wash Oil Control Box					Tag No. WOCB-MAG	
Manufactuer Magnehelic		Model No. n/a			Serial No. n/a	
Instrument Type	Transmitter	Indicator	X Controller	Recorder	Gauge	Thermometer
Accuracy		Plus 2.0	Minus 2.0	☑ % of Span ☐ % of Reading		
Input Signal Range and Units						
Lo Range Value 10	Hi Range Value 50	Units INH2O		Characteristic Linear	Special	
Output Signal Range and Units						
Lo Range Value 10	Hi Range Value 50	Units INH2O		Characteristic Linear	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	10	10				
25%	20	20				
50%	30	30				
75%	40	40				
100%	50	50				
Comments						
BAD NEEDS TO REPLACE						
Calibration Equipment Used						
Calibrator	Description	Model No.			Instrument ID	NIST Cert. No.
Input Device	Fluke Calibrator	725			8218055	1000195484
Output Device	Local Display					
Approvals						
Hours 1.0	Date Work Performed 10/10/2011	Accepted By			Date Signed	
PASS 3 Signature JOHN HORTON		Customer Signature				

PASS 3

Calibration Results Chart

Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Wash Oil Control Box		WOCB-MAG
Manufacturer	Model No.	Serial No.
Magnehelic	n/a	n/a



PASS 3

Calibration Certification

Customer Name						
ABC Coke Plant					Contract/P.O. No.	
Application/Service					Tag No.	
Wash Oil Control Box					WOCB-PT	
Manufactuer		Model No.			Serial No.	
Rosemount						
Instrument	X					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus 2.0	Minus 2.0	☑ % of Span ☐ % of Reading		

Input Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
-2	14	INH2O	Linear	

Output Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
4	20	MADC	Linear	

Instrument Condition as Found

Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4.0	4.000	0.000	4.000	0.000
25%	2	8.0	8.000	0.000	8.000	0.000
50%	6	12.0	12.000	0.000	12.000	0.000
75%	10	16.0	16.000	0.000	16.000	0.000
100%	14	20.0	20.000	0.000	20.000	0.000

Comments

Calibration Equipment Used

Calibrator	Description	Model No.	Instrument ID	NIST Cert. No.
Input Device	HAND PUMP	DWYER		
Output Device	Fluke Calibrator	725	ON FILE	ON FILE

Approvals

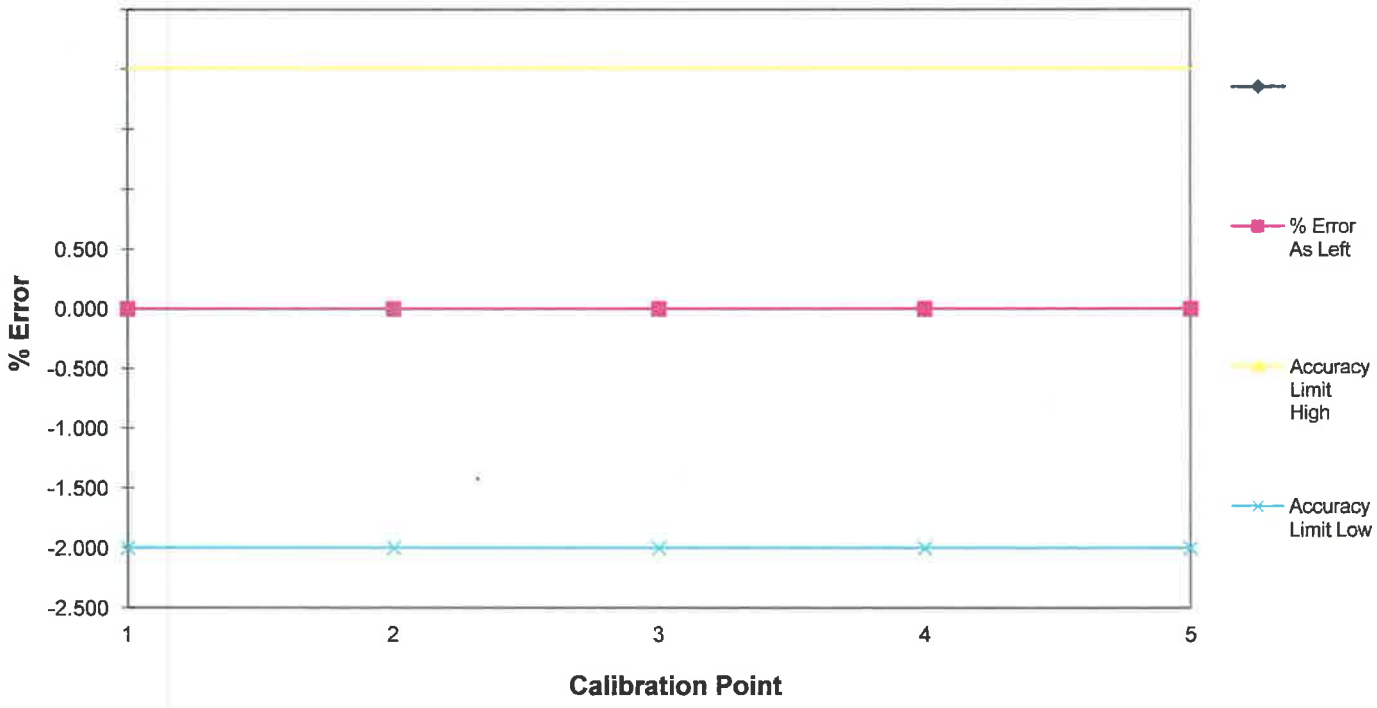
Hours	Date Work Performed	Accepted By	Date Signed
1.0	10/10/2011		

PASS 3 Signature	Customer Signature
JOHN HORTON	

PASS 3

Calibration Results Chart

Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Wash Oil Control Box		**WOCB-PT**
Manufacturer	Model No.	Serial No.
Rosemount		



PASS 3

Calibration Certification

Customer Name ABC Coke Plant		Contract/P.O. No.
Application/Service Wash Oil Control Box		Tag No. WOCB-YC
Manufactuer Yokogawa	Model No.	Serial No.

Instrument Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
			X			

	Plus	Minus	
Accuracy	2.0	2.0	☑ % of Span ☐ % of Reading

Input Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
4	20	MADC	Linear	

Output Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
-2	14	INH2O	Linear	

Instrument Condition as Found

Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	-2.0	-2.0	0.000	-2.0	0.000
25%	8	2.0	2.0	0.000	2.0	0.000
50%	12	6.0	6.0	0.000	6.0	0.000
75%	16	10.0	10.0	0.000	10.0	0.000
100%	20	14.0	14.0	0.000	14.0	0.000

Comments

Calibration Equipment Used

Calibrator	Description	Model No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calibrator	725	8218055	1000195484
Output Device	Local Display			

Approvals

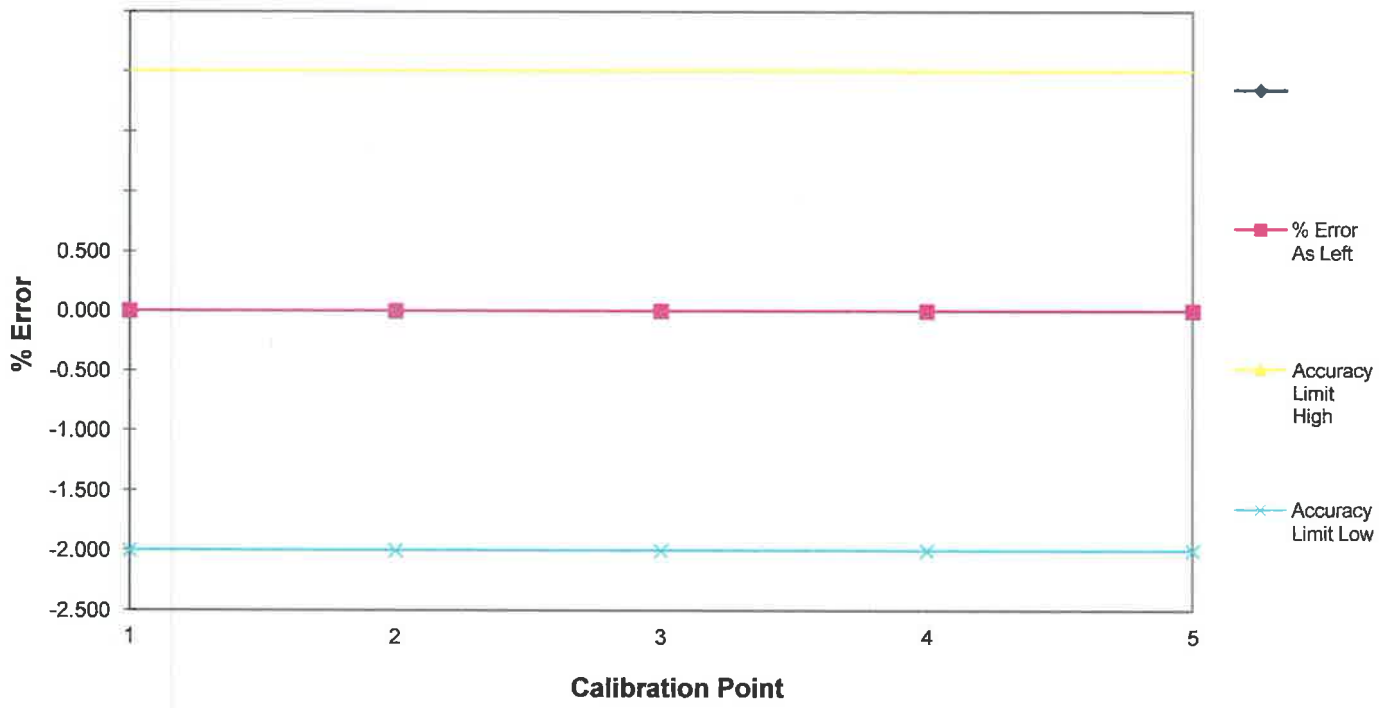
Hours	Date Work Performed	Accepted By	Date Signed
1.0	10/10/2011		

PASS 3 Signature	Customer Signature
JOHN HORTON	

PASS 3

Calibration Results Chart

Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Wash Oil Control Box		WOCB-YC
Manufacturer	Model No.	Serial No.
Yokogawa		



PASS 3

Calibration Certification

Customer Name		Contract/P.O. No.
ABC Coke Plant		

Application/Service	Tag No.
Wash Oil Control Box	WOCB-IP

Manufactuer	Model No.	Serial No.
Dwyer	2343	3403

Instrument Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
			X			

Accuracy	Plus	Minus	
	2.0	2.0	☑ % of Span ☐ % of Reading

Input Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
4	20	MADC	Linear	

Output Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
3	15	PSIG	Linear	

Instrument Condition as Found

Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	3.00				
25%	8.00	6.00				
50%	12.00	9.00				
75%	16.00	12.00				
100%	20.00	15.00				

Comments

BAD NEEDS TO BE REPLACED

Calibration Equipment Used

Calibrator	Description	Model No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calibrator	725	On File	On File
Output Device	Fluke Calibrator	725	On File	On File

Approvals

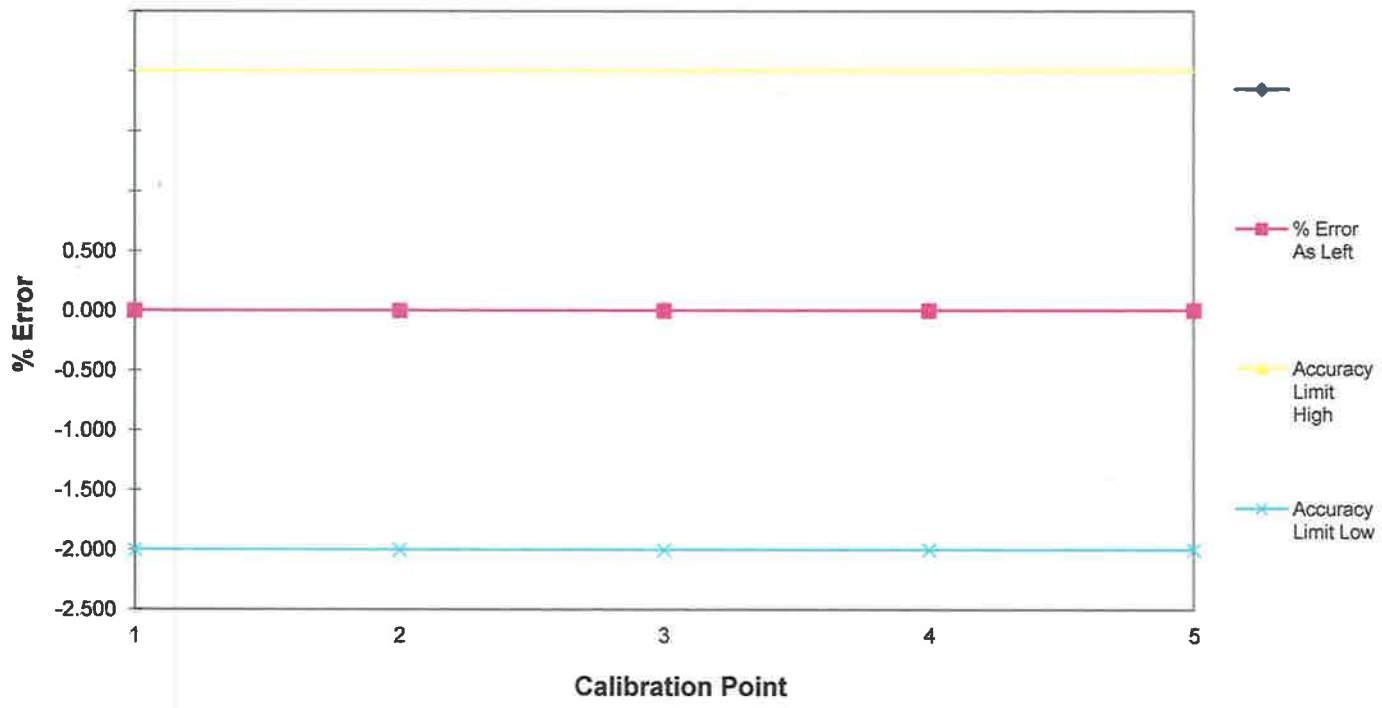
Hours	Date Work Performed	Accepted By	Date Signed
1.0	10/10/2011		

PASS 3 Signature	Customer Signature
JOHN HORTON	

PASS 3

Calibration Results Chart

Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Wash Oil Control Box		WOCB-IP
Manufacturer	Model No.	Serial No.
Dwyer	2343	3403



PASS 3

Calibration Certification

Customer Name ABC Coke Plant		Contract/P.O. No.
Application/Service Wash Oil Control Box		Tag No. WOCB-CV
Manufactuer Fisher	Model No. 1052	Serial No. 15363423

Instrument Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
			X			

Accuracy	Plus	Minus	
	2.0	2.0	☑ % of Span ☐ % of Reading

Input Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
4	20	MADC	Linear	

Output Signal Range and Units

Lo Range Value	Hi Range Value	Units	Characteristic	Special
0	100	Percent	Linear	

Instrument Condition as Found

Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	0.00	0	0.000	0	0.000
25%	8.00	25.00	25	0.000	25	0.000
50%	12.00	50.00	50	0.000	50	0.000
75%	16.00	75.00	75	0.000	75	0.000
100%	20.00	100.00	100	0.000	100	0.000

Comments

Calibration Equipment Used

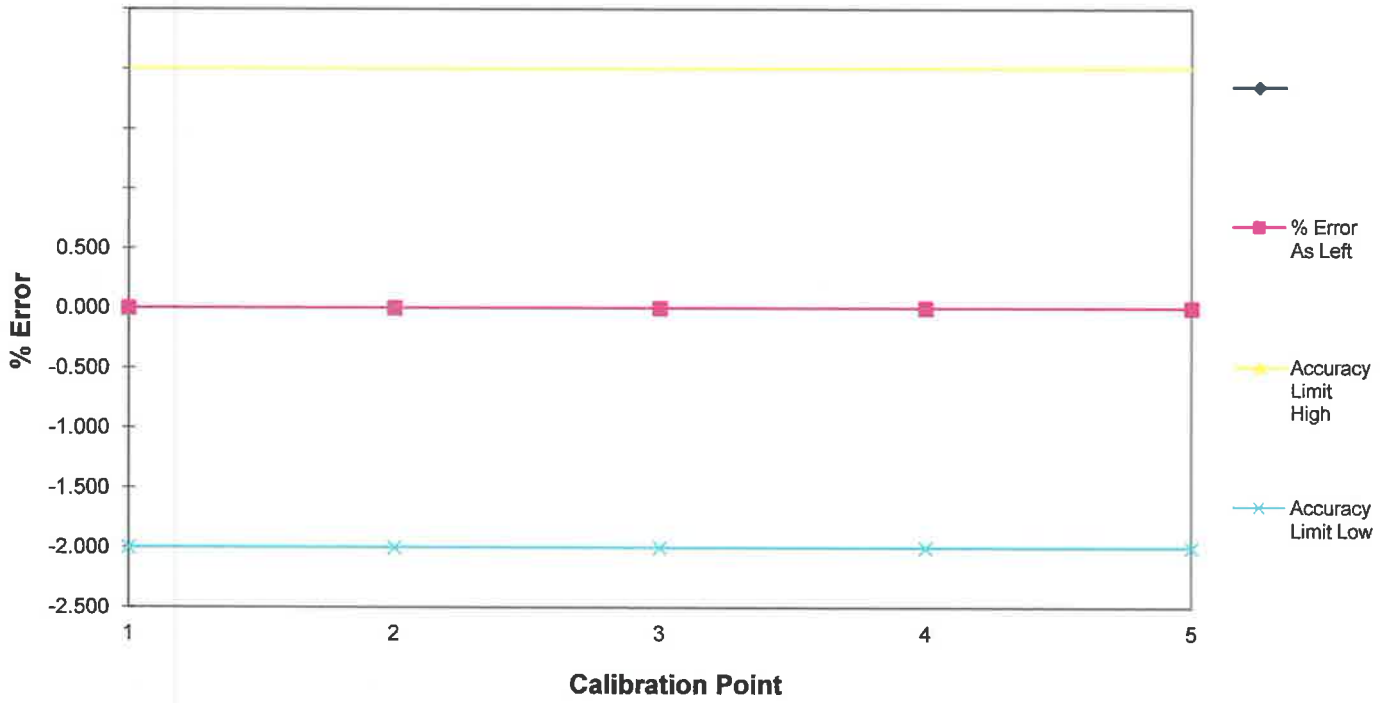
Calibrator	Description	Model No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calibrator	725	8218055	1000195484
Output Device	Local Display			

Approvals

Hours	Date Work Performed	Accepted By	Date Signed
1.0	10/10/2011		

PASS 3 Signature	Customer Signature
JOHN HORTON	

PASS 3

Calibration Results Chart

Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Wash Oil Control Box		WOCB-CV
Manufacturer	Model No.	Serial No.
Fisher	1052	15363423