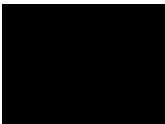


ULTRASONIC METER  
INSPECTION REPORT



Location & USM Data

USM	New USM 1	Matrix version	149	Reference	automatic
Site	A	CPU CRC	1AB7	Time	7/30/2024 2:22:31 PM
Unit Number	832362	fiscal par. CRC	CD79	Found	Ref.
Log Start	7/30/2024 2:57:11 PM	piecewise lin. CRC	0000	Gas Velocity	4.38 m/s 4.01 m/s
Log Finish	7/30/2024 2:59:10 PM	Config. Status	Error!		

Counters

		Tot. Volume d.1	Tot. VolumeErr d.1	Tot. Volume d.2	Tot. VolumeErr d.2
Start	7/30/2024 2:57:11 PM	000002113.34 m3	000000000.75 m3	000000000.44 m3	000000000.14 m3
End	7/30/2024 2:59:10 PM	000002122.03 m3	000000000.75 m3	000000000.44 m3	000000000.14 m3
Diff.	00:02:00	8.69 m3	0.00 m3	0.00 m3	0.00 m3

Flow Profile	Velocity(m/s)				In Plane Velocity Ratios				Swirl	Profile Factor		Symmetry						
	Plane	Path			Path	Found	Ref.	Dev. (%)										
	1	1	4.126		1/2	1.0061	0.9969	0.9156	0.096	1.124	1.011							
		2	4.101															
	2	3	4.675		3/4	1.0090	1.0137	-0.4667	0.147									
		4	4.633															
	3	5	4.183		5/6	1.0085	1.0012	0.7236	0.141									
		6	4.148															
PASS	Marginal Limit								±0.0000	±0.000	1.110	±0.200	1.000	±0.200				
	Fail Limit								±0.0000	±0.000		±0.300		±0.300				
Performance & Speed of Sound	Performance (%)				SoS (m/s)		SoS Deviation (Pn/Avg. %)			Speed of Sound (m/s)								
	Plane	Path					Found	Ref.	Diff.	Meter	AGA10	Dev. (%)						
	1	1	100		423.719		-0.01	0.01	-0.02	423.750	423.47	0.07						
		2			423.779		0.01	0.02	-0.01									
		3	100		423.720		-0.01	-0.02	0.02	Source AGA10 SoS: calculated by RMGViewUSM								
	2	4	100		423.760		0.00	-0.01	0.02									
		5	100		423.713		-0.01	-0.01	-0.00									
	3	6	100		423.810		0.01	0.02	-0.00									
PASS	Average				100	423.750												
	Marginal Limit				85		±0.00		±0.00	±0.00								
	Fail Limit				33		±0.00		±0.00	±0.00								
Transducers	Transducer Gain (dB)												SNR (dB)					
					1		2						1		2			
					Deviation						Deviation			Deviation Formula				
	Plane	Path	Found	Ref.	Found	Ref.	Diff.	Found	Ref.	Found	Ref.	Diff.						
	1	1	9.7	9.7	0.12	0.12	0.00	9.6	9.6	-0.19	-0.19	0.00	AGC1 - (AGC1+AGC2+AGC5+AGC6)/4					
		2	9.8	9.8	0.20	0.20	0.00	9.8	9.8	0.01	0.01	0.00	AGC2 - (AGC1+AGC2+AGC5+AGC6)/4					
		3	11.4	11.4	-0.26	-0.26	0.00	11.2	11.2	-0.51	-0.51	0.00	AGC3 - (AGC3+AGC4)/2					
		4	11.9	11.9	0.26	0.26	0.00	12.2	12.2	0.51	0.51	0.00	AGC4 - (AGC3+AGC4)/2					
3	5	9.3	9.3	-0.24	-0.24	0.00	9.9	9.9	0.09	0.09	0.00	AGC5 - (AGC1+AGC2+AGC5+AGC6)/4						
	6	9.5	9.5	-0.08	-0.08	0.00	9.9	9.9	0.09	0.09	0.00	AGC6 - (AGC1+AGC2+AGC5+AGC6)/4						
PASS	Marginal Limit				10.00		10.00			10.00		10.00						
	Fail Limit				20.00		20.00			20.00		20.00						
AGA10 Input	Pressure				Constituent			Normalized			Constituent			Normalized				
	-Source							Mol %						Mol %				
	Temperature				Methane			95.643			Hexane			0.000				
	-Source				Ethane			2.979			Heptane			0.000				
					Propane			0.804			Octane			0.000				
					Iso Butane			0.167			Nonane			0.000				
					Normal Butane			0.212			Decane			0.000				
					Iso Pentane			0.019			Carbon Dioxide			0.000				
					Normal Pentane			0.005			Ni trogen			0.171				
					Neo Pentane			0.000			Carbon Monoxide			0.000				
Instrument Calibration	GC Calibration				Pressure Transmitter						Temperature Transmitter							
	Test Run		Found		Left			Test Ref.		Found		Left		Test Ref.		Found		Left
	Ref. Gas:																	

