## ULTRASONIC METER INSPECTION REPORT



Location	&	USM	Data
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USM	New USM 1	Matrix version	149	Reference	automatic
Site	翔安二期A	CPU CRC	1AB7	Time	7/30/2024 2:22:31 PM
Unit Number	832362	fiscal par. CRC	CD79		Found
Log Start	7/30/2024 2:57:11 PM	piecewise lin. CRC	0000	Gas Velocity	4.38 m/s

## Counters

Ref. Gas:

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

e.			Veloc	ity(m/s	)	In Plane V	elocity R	atios		Swirl			Profile Factor	Symmetry		
£i.1	Plane	Path			Path	Found	Ref.	De	v. (%)							
Profile	1	1		4. 126	1/2	1. 0061	0. 9969	(	0. 9156	0. 096			1.124	1.011		
		2		4. 101												
Flow	2	3		4. 675	3/4	1.0090	1.0137	-(	0. 4667	0. 147						
				4. 633												
	3	5		4. 183	5/6	1.0085	1.0012	(	0. 7236	0. 141						
	Marginal Limit	6		4. 148				+	5. 0000	±10.000	)		1.110 ±0.200	1.000 ±0.200		
PASS	Fail Limit								10. 0000	± 15. 000			±0.300	±0.300		
	Tall Limit		Performa	nce (%	, ,	SoS (m/s)	SoS		n (Pn/Av		<u> </u>	Sne	eed of Sound (m/s			
nce & Sound	Plane	Path	1 CHOIMA	11100 (70	<b>'</b>	300 (111/3)	Foun		Ref.	Diff.		Meter	AGA	•		
Sou	1 lune	1		100		423. 719	-0.0		0. 01	-0. 02		423. 750				
of	1	2		100		423, 779	0.0		0. 02	-0. 01		1201100	150			
for		3		100		423.720	-0.0		0.02	0.02			Source AGA10 SoS	: calculated by RMGViewU	SM	
Performance Speed of Sou	2	4		100		423.760	0.0	0 -	0.01	0.02						
		5		100		423.713	-0.0	1 -	0.01	-0.00						
	3	6		100		423.810	0.0	1	0.02	-0.00						
	Average			100		423.750										
PASS	Marginal Limit			85			±2.	00		±5.00				±5.00		
1 NOO	Fail Limit			33			±5.	00		±10.00				±10.00		
S									Transdu	cer Gain (	dB) SNR (dB)					
[Ge]			1			2				1	2					
sdu						eviation					Deviation		Deviation Formula	l		
Transducers	Plane	Path	Found	Ref.	Found	Ref.	Diff.	Found	Ref.	Found	Ref.	Diff.				
$\leftarrow$	1	1	9.7	9. 7	0. 12	0.12	0.00	9.6	9.6	-0. 19	-0.19	0.00	AGC1 - (AGC1+AGC		39. 11	36. 16
		2	9.8	9.8	0. 20	0.20	0.00	9.8	9.8	0.01	0.01	0.00	AGC2 - (AGC1+AGC		36. 15	36. 1
	2	3	11. 4 11. 9	11. 4 11. 9	-0. 26 0. 26	-0. 26 0. 26	0.00	11. 2 12. 2	11. 2 12. 2	-0. 51 0. 51	-0. 51 0. 51	0.00	AGC3 - (AGC3+AGC AGC4 - (AGC3+AGC		40. 17 36. 33	41. 56 36. 8
		<del></del>	9.3	9. 3	-0. 24	-0.24	0.00	9.9	9.9	0. 09	0.09	0.00	AGC5 - (AGC1+AGC		36. 20	36. 02
	3	6	9.5	9. 5	-0. 08	-0.08	0.00	9.9	9. 9	0.09	0.09	0.00	AGC6 - (AGC1+AGC		36. 46	35. 5
	Marginal Limit			010	10.00		10.00	010	0.0	10.00	0.00	10. 00	11000 (11001 1100	2 11000 11000// 1	20. 0	20. 0
PASS	Fail Limit				20.00		20. 00			20.00		20. 00			15. 0	15. (
	Pressure	54.4 bara			Constituent		Nori	malized	Constitue	ent	N	ormalized	Constituent	Normalized		
Input	-Source	Input in R	MGViewUSM					Mol %				Mol %		Mol %		
Ä	Temperature	27.9 ° C			Methane			95. 643	Hexane			0.000	Hydr. Sulphide	0.000		
AGA10	-Source	Input in R	:MGViewUSM		Ethane			2.979	Heptane			0.000	Helium	0.000		
AG					Propane			0.804	Octane			0.000	Argon	0.000		
					Iso Butane			0.167	Nonane			0.000	0xygen	0.000		
					Normal Butar	e			Decane			0.000		0.000		
	1				Iso Pentane				Carbon Di	oxide		0.000		0.000		
					Normal Penta	ne		0.005	Nitrogen			0.171	Total	100.000		
					Neo Pentane				Carbon Mo			0.000				
ment ation	Test Run	GC	Calibration Found				Test Ref.		Carbon Mo ssure Tra Foun	nsmitter	Le		Test Ref.	Temperature Transm		_eft

Performed by:	Remarks:
Witnessed by:	Date:

















