



Thickness Measurements, Benchmark

Form: FM-205-1
 Revision: D
 Page: 1 of 1

Car Reporting Mark and Number: AXLX 1702	Inspector (print name): ED Grasso	Inspection Date: 3-21-16
Reporting Facility: Pescara DuBois PA	Facility Station Stencil: REDP	Compartment # 1 of 1

UTT Procedure No.: FM-232	Revision: F	UTT Meter I.D.: DM-4 1004669	Meter Cal. Due Date: Per car
Transducer Frequency: 5MHz		Cal. Block I.D.: A-26182	Block Cal. Due Date: 10-24-16
Transducer Diameter (inches): 0.50"		Couplant Manufacturer: Sonotech	Couplant Type: ultragel II
Number of Tank Rings: 5		Number of Nozzles: 1	Surface Condition Acceptable: (circle one) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Grind

Clock Position	B-Head	Ring 1		Ring 2		Ring 3		Ring 4		Ring 5		Ring 6		Ring 7		A-Head
		B	A	B	A	B	A	B	A	B	A	B	A			
1:00																
2:00																
3:00	0.818	0.756	0.756	0.750	0.750	0.747	0.747	0.746	0.755	0.756	0.756					0.815
4:00																
5:00																
6:00	0.830	0.748	0.754	0.747	0.746	0.744	0.745	0.754	0.755	0.760	0.742					0.775
7:00																
8:00																
9:00																
10:00																
11:00																
12:00	0.831	0.757	0.757	0.747	0.752	0.747	0.746	0.752	0.755	0.762	0.756					0.771
Center	0.800															0.785

	B-End	A-End
Manway 1	1.020	1.033
Manway 2		
Manway 3		
Manway 4		
Manway 5		A
Other		

	B-End	A-End
Unloading Nozzle 1		
Unloading Nozzle 2		
Safety Valve Nozzle 1		
Safety Valve Nozzle 2		
Sump		A
Other		

Inspection Results (check one):

Passed

Failed **Corrosion.**

6:00 Ring 5 Below min?

Inspector Signature: E	Date: 3-21-16
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Thickness Measurements, Post-Repair

Form: FM-205-2
 Revision: C
 Page: 1 of 1

Car Reporting Mark and Number: AXLX 1702 (after repair)	Inspector (print name): Chad M. Roy	Inspection Date: 5-24-16
Reporting Facility: Rescor / Du Bois, PA	Facility Station Stencil: REDP	Compartment # 1 of 1

UTT Procedure No.: FM-232	Revision: F	UTT Meter I.D.: DM-4 / 004669	Meter Cal. Due Date: Per Car
Transducer Frequency: 5mhz		Cal. Block I.D.: A-26182	Block Cal. Due Date: 10-24-16
Transducer Diameter (inches): 0.50		Couplant Manufacturer: Sonotech	Couplant Type: Ultragel II
Number of Tank Rings: 5		Number of Nozzles: 1	Surface Condition Acceptable: (circle one) YES NO

Clock Position	B-Head	Ring 1		Ring 2		Ring 3		Ring 4		Ring 5		Ring 6		Ring 7		A-Head
		B	A	B	A	B	A	B	A	B	A	B	A			
1:00																
2:00																
3:00	0.818	0.756	0.756	0.750	0.750	0.747	0.747	0.746	0.755	0.756	0.750	N/A				0.815
4:00																
5:00		0.791			0.791	0.760	0.750	0.761	0.769	0.770						
6:00	0.830	0.748	0.754	0.747	0.746	0.744	0.745	0.759	0.755	0.760	0.742	N/A				0.775
7:00					0.783	0.761	0.761	0.761	0.775	0.760						
8:00																
9:00																
10:00																
11:00																
12:00	0.831	0.757	0.757	0.747	0.752	0.747	0.746	0.752	0.755	0.762	0.750	N/A				0.771
Center	0.866															0.785

	B-End	A-End
Manway 1	1.020	1.033
Manway 2	N/A	N/A
Manway 3	↓	↓
Manway 4	↓	↓
Manway 5	↓	↓

	B-End	A-End
Unloading Nozzle 1	N/A	N/A
Unloading Nozzle 2		
Safety Valve Nozzle 1	↓	↓
Safety Valve Nozzle 2	↓	↓
Sump	↓	↓

Inspection Results:
 Passed

Inspector Signature:	Date: 5-24-16
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Thickness Measurements, Corrosion - Grid

Car Reporting Mark and Number: <i>AXLX 1702</i>	Inspector (print name): <i>ED Grasso</i>	Inspection Date: <i>3-21-16</i>
Reporting Facility: <i>ResCar Dubois</i>	Facility Station Stencil: <i>Rodp 240</i>	Compartment # <i>1</i> of <i>1</i>

Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	<i>1, 2; Floor/walls</i>
Nozzle (number / hour)	

Initial Measurement

Post-Repair Measurement

UTT Procedure No.:	<i>FM-232</i>
Revision:	<i>I</i>
UTT Meter I.D.:	<i>07M4101 MUCD</i>
Meter Cal. Due Date:	<i>per car</i>
Transducer Frequency:	<i>5MHz</i>
Transducer Diameter (inches):	<i>0.5"</i>
Cal. Block I.D.:	<i>A10227</i>
Block Cal. Due Date:	<i>4-5-16</i>
Couplant Manufacturer:	<i>Sonotek</i>
Couplant Type:	<i>ultrason II</i>
Surface Condition Acceptable:	<i>yes (NO) Grid</i>

Total Inspection Size	
Width: <i>N/A</i>	Height: <i>N/A</i>
Inspection Quadrant Size: <i>N/A</i>	
Width: <i>N/A</i>	Height: <i>N/A</i>

<i>Ring 2</i>				<i>Ring 1</i>			
<i>Took Random Readings & found some low readings on the Bottom 4'</i>							
			749			757	
			762		752		761
		760					752
	741			731			754
759			722	755	760		744 742
729	715	733	746	715			749
771							
		748		755	752		756
					761		
				755	762		751

6.508

Inspector Signature:	Date: <i>3-21-16</i>
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Car Reporting Mark and Number: AXLX 1702	Inspector (print name): ED GROSSO	Inspection Date: 3-22-16
Reporting Facility: Rescal Dubois	Facility Station Stencil: Redp 240	Compartment # 1 of 1

Location of Inspection Area:	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	Ring 1 6:00
Nozzle (number / hour)	N/A

Initial Measurement

Post-Repair Measurement

UTT Procedure No.: FM-232
Revision: I
UTT Meter I.D.: DM-4 / 01 MWC0
Meter Cal. Due Date: Per Car
Transducer Frequency: 5MHz
Transducer Diameter (inches): 0.5"
Cal. Block I.D.: A 10227
Block Cal. Due Date: 4-5-16
Couplant Manufacturer: Sonotek
Couplant Type: ultrapol II
Surface Condition Acceptable: yes (ing) Grind

Total Inspection Size	
Width: N/A	Height: N/A
Inspection Quadrant Size:	
Width: N/A	Height: N/A

#2 Well
Ring 1
#1 Well B-Head

756	765	759	765	758	740	753	749			
761	753	759	764	756	758	754	750	800	810	24"
756	763	764	763	762	749	758	750			24"
750	762	763	763	769	752	755	775	830	812	24"

Inspector Signature: [Signature]	Date: 3-22-16
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Thickness Measurements, Corrosion - Grid

Car Reporting Mark and Number: <i>AXLX 1702</i>	Inspector (print name): <i>EO Grosso</i>	Inspection Date: <i>3-22-16</i>
Reporting Facility: <i>RES CAR Dubois</i>	Facility Station Stencil: <i>RES 240</i>	Compartment # <i>1</i> of <i>1</i>

Location of Inspection Area
 See FM-205-1 for location definitions
 Tank Shell (ring / hour) *Ring 2*
 Nozzle (number / hour) *N/A*


Initial Measurement
 Post-Repair Measurement

UTT Procedure No.: *FM-232*
 Revision: *I*
 UTT Meter I.D.: *0.125 101 mixed*
 Meter Cal. Due Date: *per car*
 Transducer Frequency: *5 MHz*
 Transducer Diameter (inches): *0.15"*
 Cal. Block I.D.: *A10227*
 Block Cal. Due Date: *4-5-16*
 Couplant Manufacturer: *Sonotek*
 Couplant Type: *ultracel II*
 Surface Condition Acceptable: *yes / ~~no~~ grind*

Total Inspection Size
 Width: *N/A* Height: *N/A*
 Inspection Quadrant Size:
 Width: *N/A* Height: *N/A*

#1 well	Ring 2								#2 well
	735	752	752	756	769	758	762	745	
	746	741	746	752	759	752	752	757	
	741	749	747	758	756	752	748	750	
	746	752	746	758	761	763	760	757	

24"
 6.00
 24"

Inspector Signature:  Date: *3-22-16*



Thickness Measurements, Corrosion - Grid

Form: FM-205-4
Revision: A
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Car Reporting Mark and Number: AXLX 1702	Inspector (print name): EO Grasso	Inspection Date: 3-22-16
Reporting Facility: Re-Scar Dubois	Facility Station Stencil: RedP 240	Compartment # 1 of 1

Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	Ring 3 6:00
Nozzle (number / hour)	N/A

Initial Measurement

Post-Repair Measurement

UTT Procedure No.: FM-232
Revision: I
UTT Meter I.D.: DM-4 601 mwp
Meter Cal. Due Date: per car
Transducer Frequency: 5mhz
Transducer Diameter (inches): 0.5"
Cal. Block I.D.: A10227
Block Cal. Due Date: 4-5-16
Couplant Manufacturer: Sandtech
Couplant Type: ultrazol II
Surface Condition Acceptable: yes / (no) Grind

Total Inspection Size	
Width: N/A	Height: N/A
Inspection Quadrant Size:	
Width: N/A	Height: N/A

Ring 3

# of wells									#3 cells

24"
|
6:00
|
24"
|

Inspector Signature:	Date: 3-22-16
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Thickness Measurements, Corrosion - Grid

Form: FM-205-4
 Revision: A
 Page: 1 of 1

Car Reporting Mark and Number: <i>AXLX 1702</i>	Inspector (print name): <i>ED Cresso</i>	Inspection Date: <i>3-22-16</i>
Reporting Facility: <i>Rescar Dubois</i>	Facility Station Stencil: <i>R-SP 240</i>	Compartment # <i>1</i> of <i>1</i>

Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	<i>Ring 4 6:00</i>
Nozzle (number / hour)	<i>N/A</i>

Initial Measurement

Post-Repair Measurement

UTT Procedure No.:	<i>FM-232</i>
Revision:	<i>I</i>
UTT Meter I.D.:	<i>DM-4 for MWGD</i>
Meter Cal. Due Date:	<i>per car</i>
Transducer Frequency:	<i>5 MHz</i>
Transducer Diameter (inches):	<i>0.5"</i>
Cal. Block I.D.:	<i>A10227</i>
Block Cal. Due Date:	<i>4-5-16</i>
Couplant Manufacturer:	<i>Sandtech</i>
Couplant Type:	<i>ultra-1 II</i>
Surface Condition Acceptable:	<i>yes / <input checked="" type="checkbox"/> Grind</i>

Total Inspection Size	
Width:	<i>N/A</i>
Height:	<i>N/A</i>
Inspection Quadrant Size:	
Width:	<i>N/A</i>
Height:	<i>N/A</i>

#5 well *Ring 4* *#4 well*

		<i>14" - W</i>							
		<i>748</i>	<i>746</i>	<i>720</i>	<i>721</i>	<i>751</i>	<i>733</i>	<i>715</i>	<i>724</i>
		<i>738</i>	<i>754</i>	<i>715</i>	<i>763</i>	<i>748</i>	<i>750</i>	<i>743</i>	<i>744</i>
		<i>733</i>	<i>722</i>	<i>709</i>	<i>746</i>	<i>756</i>	<i>744</i>	<i>735</i>	<i>738</i>
		<i>748</i>	<i>731</i>	<i>758</i>	<i>762</i>	<i>761</i>	<i>750</i>	<i>739</i>	<i>752</i>
		<i>corrosion also in G.I.WA welds 30" (weld)</i>							
								<i>16" weld</i>	

24"
13
24"

Inspector Signature: <i>[Redacted]</i>	Date: <i>3-22-16</i>
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Thickness Measurements, Corrosion - Grid

Car Reporting Mark and Number: AXLX 1702	Inspector (print name): BO Brass	Inspection Date: 3-22-16
Reporting Facility: Rescal Dubois	Facility Station Stencil: RECP 240	Compartment # 1 of 1

Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	5 - 6:00
Nozzle (number / hour)	N/A

Initial Measurement
 Post-Repair Measurement


UTT Procedure No.:	FM-232
Revision:	I
UTT Meter I.D.:	DM-4/01 MUCD
Meter Cal. Due Date:	per car
Transducer Frequency:	5 MHz
Transducer Diameter (inches):	0.5"
Cal. Block I.D.:	A10227
Block Cal. Due Date:	4-5-16
Couplant Manufacturer:	Sonotek
Couplant Type:	Ultrasol II
Surface Condition Acceptable:	yes / no Grind

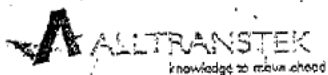
Total Inspection Size	
Width:	N/A
Height:	N/A
Inspection Quadrant Size	
Width:	N/A
Height:	N/A

Ring 5

#6 well									#5 well	

758 757 264 251 258 248 751 733 733 24"
 758 759 264 263 265 265 757 758 758 24"
 742 754 765 262 252 265 260 726 748 6:00
 761 260 258 257 252 246 741 741 24"
 1

Inspector Signature: 	Date: 3-22-16
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Thickness Measurements, Corrosion - Grid

Form: FM-205
Revision: A
Page: 1 of 1

Car Reporting Mark and Number: AXLX1702 (after Repairs)	Inspector (print name): Chad M. Roof	Inspection Date: 5-24-16
Reporting Facility: Rescar / DuBois, PA	Facility Station Stencil: REDP	Compartment # <u>1</u> of <u>1</u>

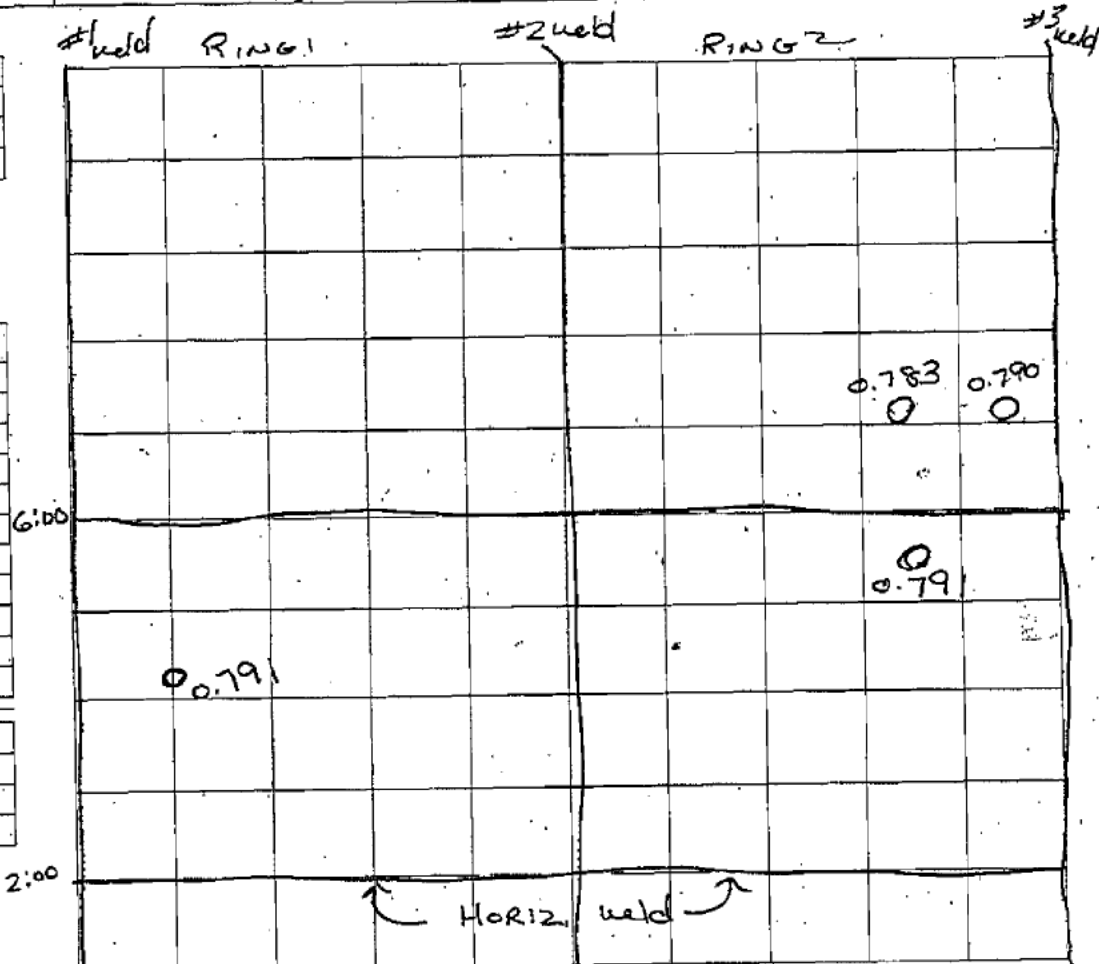
Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	1, 2 / 6:00
Nozzle (number / hour)	N/A

Initial Measurement

Post-Repair Measurement

UTT Procedure No.:	FM-232
Revision:	F
UTT Meter I.D.:	DM4
Meter Cal. Due Date:	004669 / Per car
Transducer Frequency:	5 MHz
Transducer Diameter (inches):	0.50"
Cal. Block I.D.:	A-26182
Block Cal. Due Date:	10-24-16
Couplant Manufacturer:	Sonotek
Couplant Type:	Ultrageel #
Surface Condition Acceptable:	(yes) / no

Total Inspection Size	
Width: N/A	Height: N/A
Inspection Quadrant Size:	
Width: N/A	Height: N/A



Inspector Signature:	Date: 5-24-16
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Thickness Measurements, Corrosion - Grid

Car Reporting Mark and Number: AXLX 170Z (after Repairs)	Inspector (print name): Chad M. Ray	Inspection Date: 5-24-16
Reporting Facility: Rescor / DuBois, PA	Facility Station Stencil: REDP	Compartment # of 1

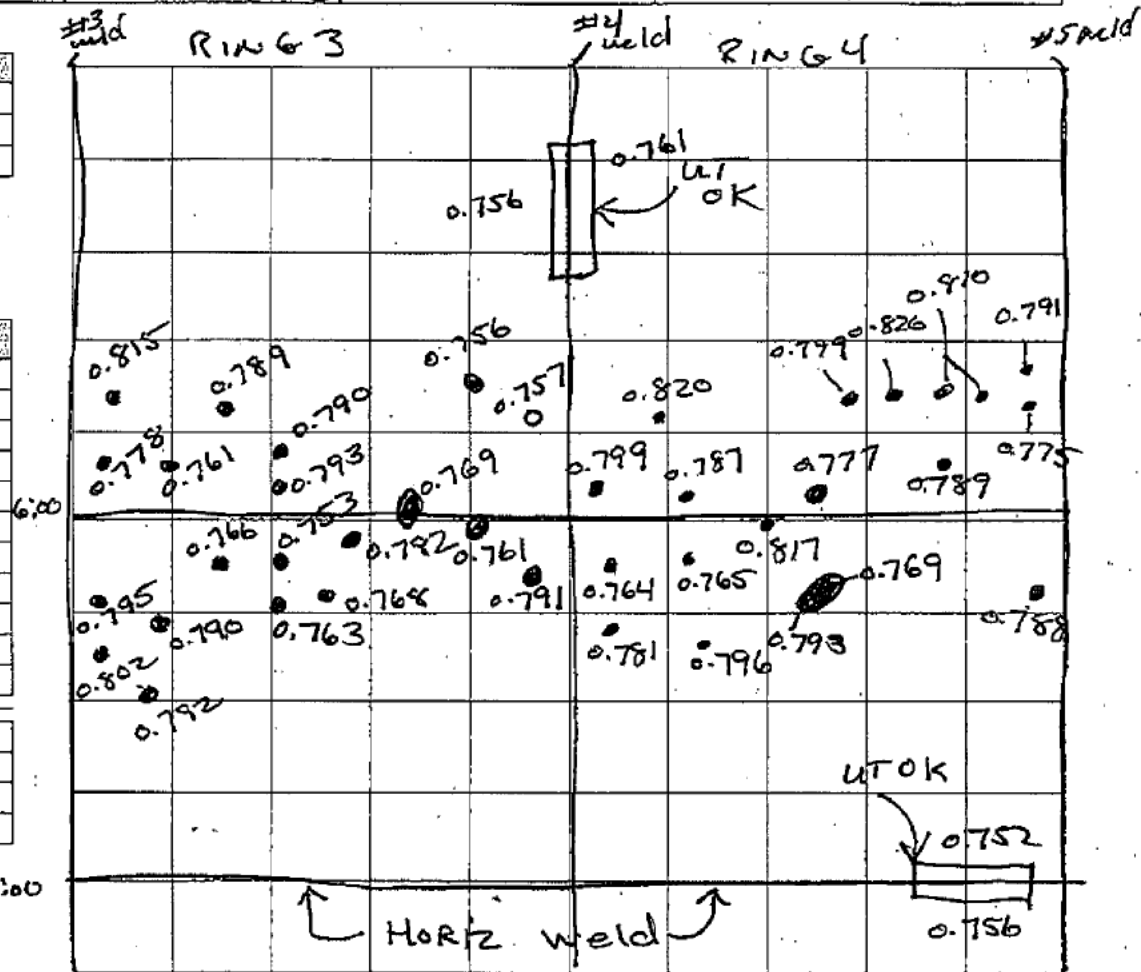
Location of Inspection Area:	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	3, 4 6:00
Nozzle (number / hour)	N/A

Initial Measurement

Post-Repair Measurement

UTT Procedure No.:	FM-232
Revision:	I
UTT Meter I.D.:	DM-4 / 004669
Meter Cal. Due Date:	for car
Transducer Frequency:	5MHz
Transducer Diameter (inches):	0.50"
Cal. Block I.D.:	A-26182
Block Cal. Due Date:	10-24-16
Couplant Manufacturer:	Sonotech
Couplant Type:	ultrageel II
Surface Condition Acceptable:	(yes) / no

Total Inspection Size	
Width:	N/A
Height:	N/A
Inspection Quadrant Size:	
Width:	N/A
Height:	N/A



Inspector Signature:	Date: 5-24-16
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Thickness Measurements, Corrosion - Grid

Form: FM-205-4
 Revision: A
 Page: 1 of 1

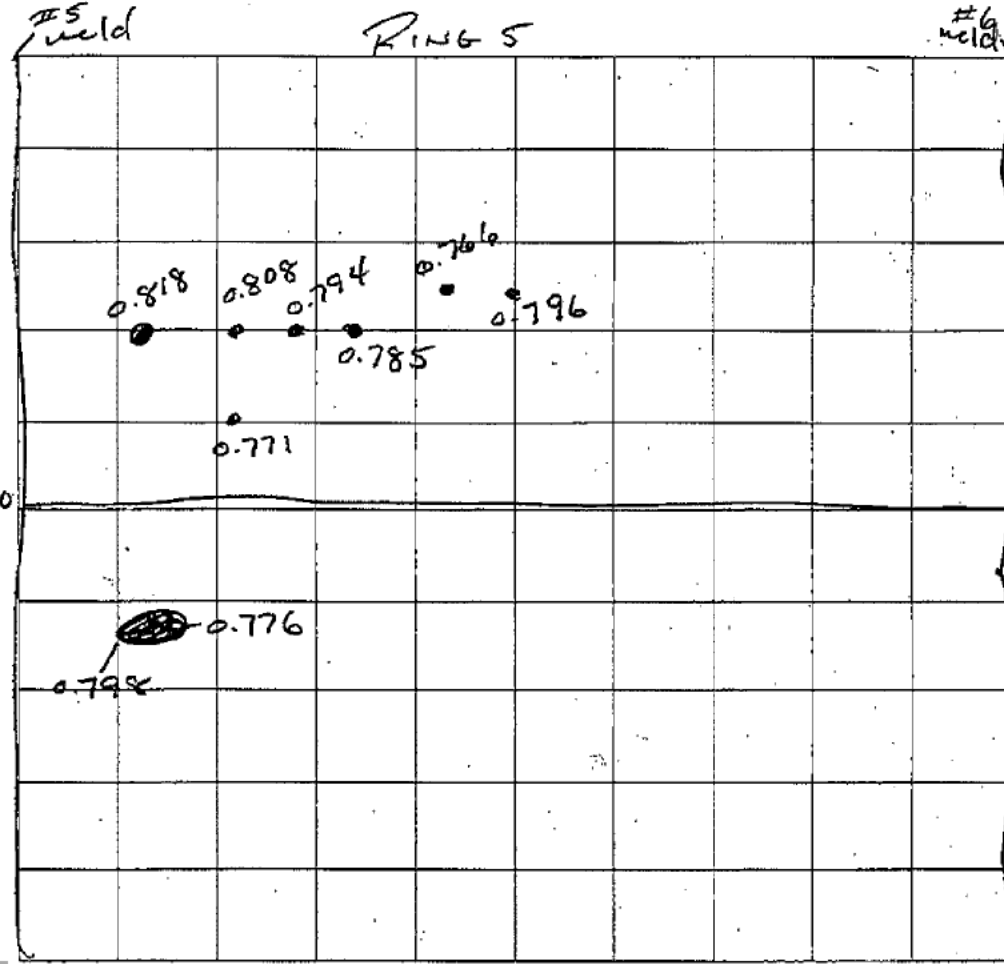
Car Reporting Mark and Number: AX LX 1702 (after Repairs)	Inspector (print name): Chad M. Roy	Inspection Date: 5-24-16
Reporting Facility: Pescara / DuBois, PA	Facility Station Stencil: REDP	Compartment # <u>1</u> of <u>1</u>

Location of Inspection Area	
See FM-205-1 for location definitions	
Tank Shell (ring / hour)	5 / 6:00
Nozzle (number / hour)	N/A

Initial Measurement
 Post-Repair Measurement

UTT Procedure No.:	FM-232
Revision:	I
UTT Meter I.D.:	DM-4 1004669
Meter Cal. Due Date:	Per car
Transducer Frequency:	5MHz
Transducer Diameter (inches):	0.50"
Cal. Block I.D.:	A-26182
Block Cal. Due Date:	10-24-16
Couplant Manufacturer:	Sonotek
Couplant Type:	Ultragel II
Surface Condition Acceptable:	<input checked="" type="radio"/> Yes <input type="radio"/> No

Total Inspection Size	
Width:	N/A
Height:	N/A
Inspection Quadrant Size:	
Width:	N/A
Height:	N/A



Inspector Signature:	Date: 5-24-16
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