

ALUMINIZED STEEL TYPE 2 SITE VISIT REPORT

DATE OF VISIT: 6/22/2021
 SITE ADDRESS: Pratt County, KS
 PEOPLE PRESENT: Matt McCants (Contech), Bob Meinzer (CCR LLC)
 ESTIMATE SERVICE YEARS OF PIPE: 68

DATA



OUTLET SIDE

OVERALL STEEL THICKNESS (MEASURED IN INCHES WITH ULTRASONIC THICKNESS GAUGE)

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
READING 1	READING 2	READING 3	READING 4	READING 5
0.089	0.088	0.086	0.089	0.086
MEAN THICKNESS: 0.0876		MEDIAN THICKNESS: 0.088		

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
READING 1	READING 2	READING 3	READING 4	READING 5
0.087	0.085	0.085	0.084	0.089
MEAN THICKNESS: 0.086		MEDIAN THICKNESS: 0.085		

GAUGE/ SUBSTRATE THICKNESS BASED ON MEASUREMENTS: 14 GAUGE 0.0575

PIPE THICKNESS ANALYSIS			
PERCENT DIFFERENCE: 1.83%			PERCENT DIFFERENCE: 3.41%

ALUMINUM COATING THICKNESS (MEASURED IN MICRONS WITH COATING THICKNESS GAUGE)

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
READING 1	READING 2	READING 3	READING 4	READING 5
28	28	25	33	31
READING 6	READING 7	READING 8	READING 9	READING 10
32				
MEAN THICKNESS: 29		MEDIAN THICKNESS: 29.5		

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
READING 1	READING 2	READING 3	READING 4	READING 5
9	5	8	11	8
READING 6	READING 7	READING 8	READING 9	READING 10
13	11	15		
MEAN THICKNESS: 8.2		MEDIAN THICKNESS: 10		

PIPE THICKNESS ANALYSIS			
	BY MEAN		BY MEDIAN
PERCENT LOSS:	71.7%	PERCENT LOSS:	66.1%
ESTIMATED YEARS REMAINING OF ALUMINUM	27		35
EXPECTED TOTAL SERVICE LIFE:	162		171
(YEARS OF SERVICE TO DATE + EXPECTED YEARS OF COATING REMAINING + 0.85 MIL/YEAR FOR THE STEEL SUBSTRATE)			



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REPORT NOTES

PIPE SIZE
ESTIMATED PIPE SLOPE
ESTIMATED FLOW SPEED