



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 01-14-075-11W6	Dwg: 127	Vessel Number: A2526100	Manufacturer: PRESSON	Survey Date: 2/22/12
District Unit: WEST COUNTY		Vessel Name: LINE HEATER - PIPING	Serial Number: 4566-50	Inspector: AJMAL KHAN
Location: VALHALLA		Year Built: 1989	Shell MAWP PSI: 3375 MAWT F: 200	Process: SOUR
Skid: SKD0233		Tag Number: -	Tube MAWP PSI: 1480 MAWT F: 200	Project #: C80107
		CRN: E9866.213	Vessel CA: 0.1250	

Band	Description		Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
			1	2	3	4	5	6								
127-05	Piping	Baseline	0.618	0.608	0.598	0.586	0.596	0.601	2006	0.601	0.586	0.6000	0.0750	0.2723	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.618	0.608	0.598	0.586	0.596	0.601	2006	0.601	0.586	Comments-->			
OD	3.5		Current	0.618	0.608	0.598	0.586	0.596	0.601	2012	0.601	0.586				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 234 - WPB			LT Loss MPY						0.000						
127-10	Piping	Baseline	0.604	0.601	0.591	0.591	0.596	0.612	2006	0.599	0.591	0.6000	0.0750	0.2723	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.604	0.601	0.591	0.591	0.596	0.612	2006	0.599	0.591	Comments-->			
OD	3.5		Current	0.604	0.601	0.591	0.591	0.596	0.612	2012	0.599	0.591				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 234 - WPB			LT Loss MPY						0.000						
127-15	Piping	Baseline	0.585	0.583	0.583	0.581	0.583	0.582	2006	0.583	0.581	0.6000	0.0750	0.2723	2013	2032
Shape	Cylindrical	Shell Side	Previous	0.585	0.583	0.583	0.581	0.583	0.582	2006	0.583	0.581	Comments-->			
OD	3.5		Current	0.585	0.583	0.583	0.581	0.583	0.582	2012	0.583	0.581				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 106 - B			LT Loss MPY						0.000						
127-20	Piping	Baseline	0.622	0.619	0.609	0.613	0.619	0.641	2006	0.621	0.609	0.6000	0.0750	0.2723	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.622	0.619	0.609	0.613	0.619	0.641	2006	0.621	0.609	Comments-->			
OD	3.5		Current	0.622	0.619	0.609	0.613	0.619	0.641	2012	0.621	0.609				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 234 - WPB			LT Loss MPY						0.000						



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Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
127-25	Piping	Baseline	0.286	0.288	0.295	0.288	0.296	0.287	2006	0.290	0.286	0.3000	0.0375	0.1249	2013	2032	
Shape	Cylindrical	Tube Side	Previous	0.286	0.288	0.295	0.288	0.296	2006	0.290	0.286	Comments-->					
OD	3.5		Current	0.286	0.288	0.295	0.288	0.296	2012	0.290	0.286						
Spec.	B31.3			ST Loss MPY						0.000	OK						
Material	A 106 - B			LT Loss MPY						0.000							
127-30	Piping	Baseline	0.282	0.281	0.283	0.284	0.280	0.281	2006	0.282	0.280	0.3000	0.0375	0.1249	2013	2032	
Shape	Cylindrical	Tube Side	Previous	0.282	0.281	0.283	0.284	0.280	2006	0.282	0.280	Comments-->					
OD	3.5		Current	0.282	0.281	0.283	0.284	0.280	2012	0.282	0.280						
Spec.	B31.3			ST Loss MPY						0.000	OK						
Material	A 106 - B			LT Loss MPY						0.000							
127-35	Piping	Baseline	0.266	0.255	0.253	0.254	0.253	0.258	2006	0.257	0.253	0.3000	0.0375	0.1249	2013	2032	
Shape	90° Elbow	Tube Side	Previous	0.266	0.255	0.253	0.254	0.253	2006	0.257	0.253	Comments-->					
OD	3.5		Current	0.266	0.255	0.253	0.254	0.253	2012	0.257	0.253						
Spec.	B31.3			ST Loss MPY						0.000	Caution						
Material	A 234 - WPB			LT Loss MPY						0.000							
127-40	Piping	Baseline	0.252	0.247	0.247	0.246	0.247	0.251	2006	0.248	0.246	0.3000	0.0375	0.1249	2013	2032	
Shape	90° Elbow	Tube Side	Previous	0.252	0.247	0.247	0.246	0.247	2006	0.248	0.246	Comments-->					
OD	3.5		Current	0.252	0.247	0.247	0.246	0.247	2012	0.248	0.246						
Spec.	B31.3			ST Loss MPY						0.000	Caution						
Material	A 234 - WPB			LT Loss MPY						0.000							