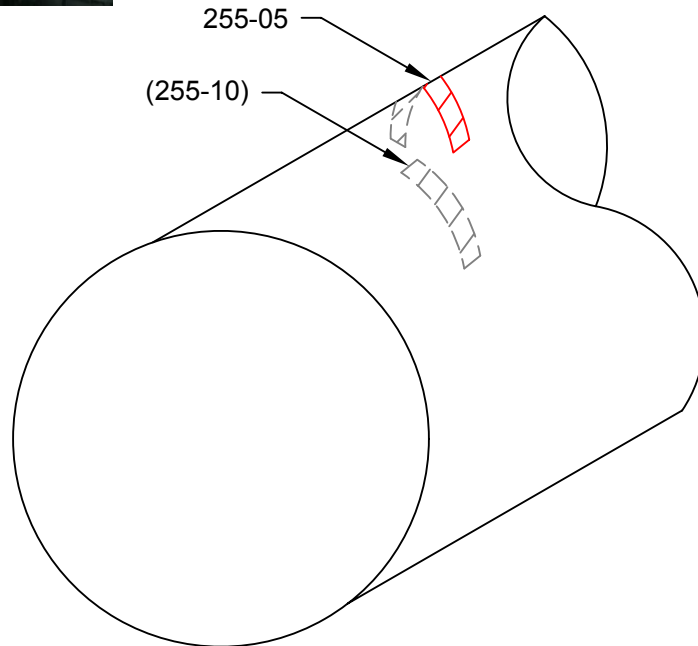


ITEM:

LINE HEATER

A0458849



COMMENTS:

PROJECT:

C70099



STETTLER, AB (403) 742-4868
 LACOMBE, AB (403) 782-7855
 BROOKS, AB (403) 501-8029
 GRANDE PRAIRIE, AB (866) 422-9732

TECHNICIAN:

STEVE GILLINGHAM
 SNT LEVEL II
 CGSB 48.9712
 LEVEL II # 11441

DATE: **01/31/11**

DWG # **255**

CLIENT: **CNRL**

LSD: **01-26-073-11-W6M**

INSPECTOR : RAJ KHAN

LOCATION : VALHALLA

DISTRICT UNIT : WEST COUNTY

BLDG/SKID : -

PROCESS : SOUR

CODE : ASME SEC VIII DIV 1

SPECIFICATION : AS PER ASME SE 797

TECHNIQUE : UT 1-1, REV .1

METHOD : UT CONTINUOUS / A SCAN

SURFACE COND : PAINTED

SURFACE TEMP : AMBIENT

VESSEL INFORMATION

VESSEL # : **A0458849**

CRN # : E9866.213

SERIAL # : 6560-50

MANUFACTURER : PRESSON MFG.

DATE BUILT : 2000

CLIENT ID / TAG : E-200

M.A.W.P. : SHELL 5 PSI/COIL 1 3200 PSI/COIL 2 1350 PSI

M.A.W.T. : 200 °F

JOINT EFFICIENCY/RT : RT 1

STRESS RELIEVED : YES

INSULATED : YES

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	-	-	-	-
VESSEL SHELL	42	.250"	SA-333-6	.125"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 01-26-073-11W6	Dwg: 255	Vessel Number: A0458849	Manufacturer: PRESSON MFG.	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: LINE HEATER	Serial Number: 6560-50	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 2000	Shell MAWP PSI: 3200 MAWT F: 200	Process: SOUR
Skid: -		Tag Number: E-200	Tube MAWP PSI: 1350 MAWT F: 200	Project #: C70099
		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								
255-05	Shell	Baseline	0.249	0.249	0.249	0.249	0.249	0.249	2011	0.249	0.249	0.2500	0.1250	0.0061	2012	2031	
Shape	Cylindrical	Shell Side	Previous	Comments-->													
OD	42	Current	0.249	0.249	0.249	0.249	0.249	0.249	2011	0.249	0.249	CALCULATED @ 5 PSI					
Spec.	VIII Div 1			ST Loss MPY									OK				
Material	SA 333 - 6			LT Loss MPY						0.000							
255-10	Shell	Baseline	0.253	0.251	0.250	0.251	0.252	0.246	2011	0.251	0.246	0.2500	0.1250	0.0061	2012	2031	
Shape	Cylindrical	Shell Side	Previous	Comments-->													
OD	42	Current	0.253	0.251	0.250	0.251	0.252	0.246	2011	0.251	0.246	CALCULATED @ 5 PSI					
Spec.	VIII Div 1			ST Loss MPY									OK				
Material	SA 333 - 6			LT Loss MPY						0.000							
255-15	Piping	Baseline	0.676	0.675	0.666	0.690	0.690	0.679	2011	0.679	0.666	0.6000	0.0750	0.2593	2012	2031	
Shape	90° Elbow	Shell Side	Previous	Comments-->													
OD	3.5	Current	0.676	0.675	0.666	0.690	0.690	0.679	2011	0.679	0.666						
Spec.	B31.3			ST Loss MPY									OK				
Material	A 234 - WPB			LT Loss MPY						0.000							
255-20	Piping	Baseline	0.608	0.606	0.591	0.584	0.578	0.570	2011	0.590	0.570	0.6000	0.0750	0.2593	2012	2031	
Shape	Cylindrical	Shell Side	Previous	Comments-->													
OD	3.5	Current	0.608	0.606	0.591	0.584	0.578	0.570	2011	0.590	0.570						
Spec.	B31.3			ST Loss MPY									OK				
Material	A 106 - B			LT Loss MPY						0.000							



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 01-26-073-11W6	Dwg: 255	Vessel Number: A0458849	Manufacturer: PRESSON MFG.	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: LINE HEATER	Serial Number: 6560-50	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 2000	Shell MAWP PSI: 3200 MAWT F: 200	Process: SOUR
Skid: -		Tag Number: E-200	Tube MAWP PSI: 1350 MAWT F: 200	Project #: C70099
		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								
255-25	Piping	Baseline	0.609	0.606	0.599	0.606	0.602	0.598	2011	0.603	0.598	0.6000	0.0750	0.2593	2012	2031
Shape	Cylindrical	Shell Side	Previous													Comments-->
OD	3.5	Current	0.609	0.606	0.599	0.606	0.602	0.598	2011	0.603	0.598					
Spec.	B31.3		ST Loss MPY													OK
Material	A 106 - B		LT Loss MPY													0.000
255-30	Piping	Baseline	0.694	0.687	0.675	0.670	0.662	0.657	2011	0.674	0.657	0.6000	0.0750	0.2593	2012	2031
Shape	90° Elbow	Shell Side	Previous													Comments-->
OD	3.5	Current	0.694	0.687	0.675	0.670	0.662	0.657	2011	0.674	0.657					
Spec.	B31.3		ST Loss MPY													OK
Material	A 234 - WPB		LT Loss MPY													0.000
255-35	Piping	Baseline	0.593	0.586	0.580	0.576	0.607	0.575	2011	0.586	0.575	0.6000	0.0750	0.2593	2012	2031
Shape	90° Elbow	Shell Side	Previous													Comments-->
OD	3.5	Current	0.593	0.586	0.580	0.576	0.607	0.575	2011	0.586	0.575					
Spec.	B31.3		ST Loss MPY													OK
Material	A 234 - WPB		LT Loss MPY													0.000
255-40	Piping	Baseline	0.290	0.283	0.283	0.296	0.286	0.279	2011	0.286	0.279	0.3000	0.0375	0.1143	2012	2031
Shape	Cylindrical	Tube Side	Previous													Comments-->
OD	3.5	Current	0.290	0.283	0.283	0.296	0.286	0.279	2011	0.286	0.279					
Spec.	B31.3		ST Loss MPY													OK
Material	A 106 - B		LT Loss MPY													0.000



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 01-26-073-11W6	Dwg: 255	Vessel Number: A0458849	Manufacturer: PRESSON MFG.	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: LINE HEATER	Serial Number: 6560-50	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 2000	Shell MAWP PSI: 3200 MAWT F: 200	Process: SOUR
Skid: -		Tag Number: E-200	Tube MAWP PSI: 1350 MAWT F: 200	Project #: C70099
		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								
255-45	Piping	Baseline	0.297	0.291	0.291	0.299	0.299	0.303	2011	0.297	0.291	0.3000	0.0375	0.1143	2012	2031	
Shape	Cylindrical	Tube Side	Previous	Comments-->													
OD	3.5	Current	0.297	0.291	0.291	0.299	0.299	0.303	2011	0.297	0.291						
Spec.	B31.3			ST Loss MPY						OK							
Material	A 106 - B			LT Loss MPY						0.000							
255-50	Piping	Baseline	0.330	0.324	0.323	0.323	0.323	0.324	2011	0.325	0.323	0.3430	0.0429	0.0775	2012	2031	
Shape	90° Elbow	Tube Side	Previous	Comments-->													
OD	2.375	Current	0.330	0.324	0.323	0.323	0.323	0.324	2011	0.325	0.323						
Spec.	B31.3			ST Loss MPY						OK							
Material	A 234 - WPB			LT Loss MPY						0.000							
255-55	Piping	Baseline	0.264	0.254	0.260	0.260	0.272	0.276	2011	0.264	0.254	0.3000	0.0375	0.1143	2012	2031	
Shape	90° Elbow	Tube Side	Previous	Comments-->													
OD	3.5	Current	0.264	0.254	0.260	0.260	0.272	0.276	2011	0.264	0.254						
Spec.	B31.3			ST Loss MPY						Caution							
Material	A 234 - WPB			LT Loss MPY						0.000							
255-60	Piping	Baseline	0.130	0.124	0.127	0.122	0.122	0.122	2011	0.125	0.122	0.1540	0.0192	0.0775	2012	2031	
Shape	90° Elbow	Tube Side	Previous	Comments-->													
OD	2.375	Current	0.130	0.124	0.127	0.122	0.122	0.122	2011	0.125	0.122						
Spec.	B31.3			ST Loss MPY						Caution							
Material	A 234 - WPB			LT Loss MPY						0.000							



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 01-26-073-11W6	Dwg: 255	Vessel Number: A0458849	Manufacturer: PRESSON MFG.	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: LINE HEATER	Serial Number: 6560-50	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 2000	Shell MAWP PSI: 3200 MAWT F: 200	Process: SOUR
Skid: -		Tag Number: E-200	Tube MAWP PSI: 1350 MAWT F: 200	Project #: C70099
		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									
255-65	Piping	Baseline	0.149	0.145	0.139	0.137	0.136	0.146	2011	0.142	0.136	0.1540	0.0192	0.0775	2012	2031
Shape	90° Elbow	Tube Side	Previous	Comments-->												
OD	2.375	Current	0.149	0.145	0.139	0.137	0.136	0.146	2011	0.142	0.136					
Spec.	B31.3			ST Loss MPY						OK						
Material	A 234 - WPB			LT Loss MPY						0.000						