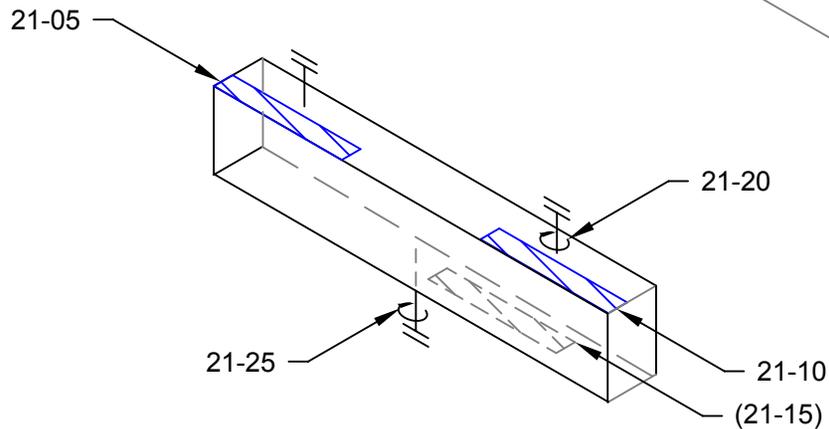
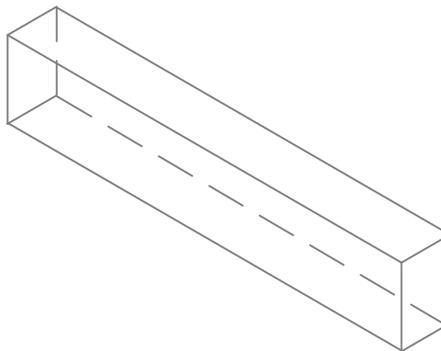


ITEM:

PROPANE COOLER

A3162268



COMMENTS:

PROJECT:
C61017



ASSET INTEGRITY
SYLVAN LAKE, AB (403) 887-3562
PIPELINE INTEGRITY
WHITECOURT, AB (780) 778-5584
NON-DESTRUCTIVE TESTING
GRANDE PRAIRIE, AB (780) 518-9757

TECHNICIAN:

DANIEL MACLEAN
SNT LEVEL II
CGSB 48.9712
LEVEL II # 15997

DATE: 8/07/13

DWG: 21

CLIENT: LONG RUN EXPLORATION

LSD: 03-26-074-01-W6M

INSPECTOR : DUANE PAETKAU

LOCATION : PUSKWASKAU

DISTRICT UNIT : NORTHERN AB

BLDG/SKID : PKG62778

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 # : A3162268

CRN # : N1356.2

SERIAL # : 95261-CCB

MANUFACTURER : PROPAK SYSTEMS

DATE BUILT : 1996

CLIENT ID / TAG : E-950

M.A.W.P. : 250 PSI

M.A.W.T. : 200° F

JOINT EFFICIENCY/RT : NO

STRESS RELIEVED : NO

INSULATED : NO

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	-	-	-	-
VESSEL SHELL	7.50"	.400"	SA-516-70	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162268	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE COOLER	Serial Number: 95261-CCB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 200	Process: SOUR
Skid: PKG62778	Tag Number: E-950	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1356.2	Vessel CA: 0.0630	Report Number: 26681

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
05	Shell	Baseline	0.395	0.395	0.390	0.391	0.396	0.396	2013	0.394	0.390	0.4000	0.0630	0.0483	2014	2033	
Shape	Flat	shell Side	Previous	Comments--> OK													
OD	7.5	Current	0.395	0.395	0.390	0.391	0.396	0.396	2013	0.394	0.390	0.4000	0.0630	0.0483	2014	2033	
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY 0														
10	Shell	Baseline	0.383	0.389	0.408	0.385	0.390	0.392	2013	0.391	0.383	0.4000	0.0630	0.0483	2014	2033	
Shape	Flat	shell Side	Previous	Comments--> OK													
OD	7.5	Current	0.383	0.389	0.408	0.385	0.390	0.392	2013	0.391	0.383	0.4000	0.0630	0.0483	2014	2033	
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY 0														
15	Shell	Baseline	0.399	0.399	0.405	0.399	0.397	0.397	2013	0.399	0.397	0.4000	0.0630	0.0483	2014	2033	
Shape	Flat	shell Side	Previous	Comments--> OK													
OD	7.5	Current	0.399	0.399	0.405	0.399	0.397	0.397	2013	0.399	0.397	0.4000	0.0630	0.0483	2014	2033	
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY 0														
20	Nozzle	Baseline	0.567	0.569	0.564	0.568	0.558	0.562	2013	0.565	0.558	0.5310	0.0630	0.0290	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	4.5	Current	0.567	0.569	0.564	0.568	0.558	0.562	2013	0.565	0.558	0.5310	0.0630	0.0290	2014	2033	
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 106 - B		LT Loss MPY 0														



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162268	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE COOLER	Serial Number: 95261-CCB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 200	Process: SOUR
Skid: PKG62778	Tag Number: E-950	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1356.2	Vessel CA: 0.0630	Report Number: 26681

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
25	Nozzle	Baseline	0.492	0.479	0.449	0.449	0.467	0.483	2013	0.470	0.449	0.4380	0.0630	0.0221	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	3.5	Current	0.492	0.479	0.449	0.449	0.467	0.483	2013	0.470	0.449						
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 106 - B		LT Loss MPY						0								
30	Piping	Baseline	0.243	0.246	0.249	0.246	0.246	0.245	2013	0.246	0.243	0.2370	0.0296	0.0280	2014	2033	
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	4.5	Current	0.243	0.246	0.249	0.246	0.246	0.245	2013	0.246	0.243						
Spec.	B31.3		ST Loss MPY														
Material	A 234 - WPB		LT Loss MPY						0								
35	Piping	Baseline	0.230	0.227	0.226	0.229	0.230	0.287	2013	0.238	0.226	0.2370	0.0296	0.0280	2014	2033	
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	4.5	Current	0.230	0.227	0.226	0.229	0.230	0.287	2013	0.238	0.226						
Spec.	B31.3		ST Loss MPY														
Material	A 234 - WPB		LT Loss MPY						0								
40	Piping	Baseline	0.243	0.245	0.240	0.246	0.245	0.246	2013	0.244	0.240	0.2370	0.0296	0.0280	2014	2033	
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	4.5	Current	0.243	0.245	0.240	0.246	0.245	0.246	2013	0.244	0.240						
Spec.	B31.3		ST Loss MPY														
Material	A 234 - WPB		LT Loss MPY						0								



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162268	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE COOLER	Serial Number: 95261-CCB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 200	Process: SOUR
Skid: PKG62778	Tag Number: E-950	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1356.2	Vessel CA: 0.0630	Report Number: 26681

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
45	Piping	Baseline		0.204	0.199	0.201	0.222	0.215	0.213	2013	0.209	0.199	0.2160	0.0270	0.0217	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	3.5	Current		0.204	0.199	0.201	0.222	0.215	0.213	2013	0.209	0.199	0.2160	0.0270	0.0217		
Spec.	B31.3			ST Loss MPY													
Material	A 234 - WPB			LT Loss MPY							0						
50	Piping	Baseline		0.237	0.236	0.236	0.240	0.246	0.247	2013	0.240	0.236	0.2160	0.0270	0.0217	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	3.5	Current		0.237	0.236	0.236	0.240	0.246	0.247	2013	0.240	0.236	0.2160	0.0270	0.0217		
Spec.	B31.3			ST Loss MPY													
Material	A 234 - WPB			LT Loss MPY							0						
55	Piping	Baseline		0.224	0.226	0.230	0.223	0.222	0.223	2013	0.225	0.222	0.2160	0.0270	0.0217	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> OK													
OD	3.5	Current		0.224	0.226	0.230	0.223	0.222	0.223	2013	0.225	0.222	0.2160	0.0270	0.0217		
Spec.	B31.3			ST Loss MPY													
Material	A 234 - WPB			LT Loss MPY							0						