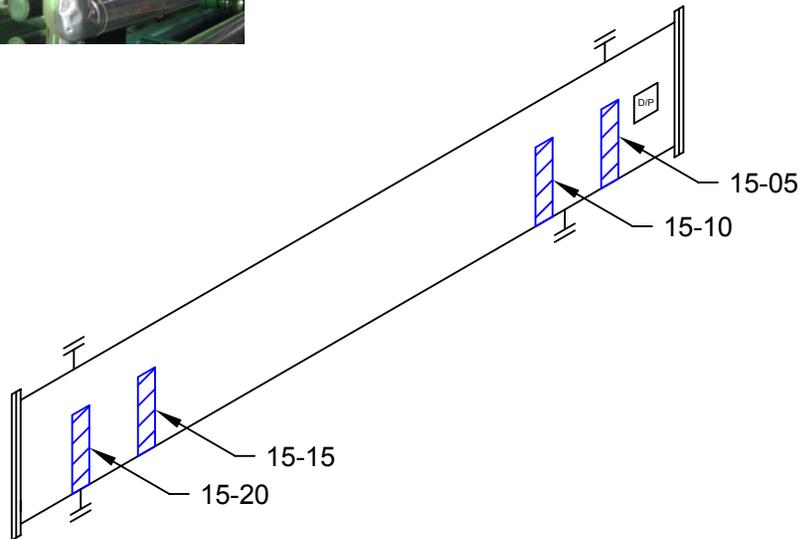


ITEM:

PROPANE SUB COOLER

A3162189



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: 15

CLIENT: LONG RUN EXPLORATION

LSD: 03-26-074-01-W6M

INSPECTOR : DUANE PAETKAU

LOCATION : PUSKWASKAU

DISTRICT UNIT : NORTHERN AB

BLDG/SKID : PKG62777

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 # : A3162189

CRN # : N1346.2

SERIAL # : 95261-AC

MANUFACTURER : PROPAK SYSTEMS

DATE BUILT : 1996

CLIENT ID / TAG : E-910

M.A.W.P : 250 PSI

M.A.W.T. : 151° F

JOINT EFFICIENCY/RT : RT 2

STRESS RELIEVED : NO

INSULATED : YES

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	-	-	-	-
VESSEL SHELL	6.625"	.431"/.280"	SA-106-B	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162189	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE SUB COOLER	Serial Number: 95261-AC	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62777	Tag Number: E-910	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1346.2	Vessel CA: 0.0630	Report Number: 26677

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	0.448	0.445	0.443	0.450	0.445	0.443	2013	0.446	0.443	0.4310	0.0630	0.0486	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	6.625	Current	0.448	0.445	0.443	0.450	0.445	0.443	2013	0.446	0.443						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							
10	Shell	Baseline	0.327	0.321	0.322	0.323	0.318	0.325	2013	0.323	0.318	0.2800	0.0630	0.0512	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	6.625	Current	0.327	0.321	0.322	0.323	0.318	0.325	2013	0.323	0.318						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							
15	Shell	Baseline	0.328	0.331	0.325	0.337	0.339	0.337	2013	0.333	0.325	0.2800	0.0630	0.0512	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	6.625	Current	0.328	0.331	0.325	0.337	0.339	0.337	2013	0.333	0.325						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							
20	Shell	Baseline	0.439	0.443	0.439	0.443	0.443	0.435	2013	0.440	0.435	0.4310	0.0630	0.0486	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	6.625	Current	0.439	0.443	0.439	0.443	0.443	0.435	2013	0.440	0.435						
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: 3162189	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE SUB COOLER	Serial Number: 95261-AC	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62777	Tag Number: E-910	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1346.2	Vessel CA: 0.0630	Report Number: 26677

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
25	Piping	Baseline		0.173	0.178	0.184	0.175	0.172	0.165	2013	0.175	0.165	0.2180	0.0272	0.0148	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> Caution													
OD	2.375	Current		0.173	0.178	0.184	0.175	0.172	0.165	2013	0.175	0.165	0.2180	0.0272	0.0148	2014	2033
Spec.	B31.3			ST Loss MPY													
Material	A 234 - WPB			LT Loss MPY													
				0													
30	Piping	Baseline		0.158	0.156	0.162	0.158	0.158	0.161	2013	0.159	0.156	0.2180	0.0272	0.0148	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> Caution													
OD	2.375	Current		0.158	0.156	0.162	0.158	0.158	0.161	2013	0.159	0.156	0.2180	0.0272	0.0148	2014	2033
Spec.	B31.3			ST Loss MPY													
Material	A 234 - WPB			LT Loss MPY													
				0													
35	Piping	Baseline		0.196	0.198	0.198	0.196	0.204	0.201	2013	0.199	0.196	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	2.375	Current		0.196	0.198	0.198	0.196	0.204	0.201	2013	0.199	0.196	0.2180	0.0272	0.0148	2014	2033
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY													
				0													
40	Piping	Baseline		0.192	0.193	0.192	0.193	0.191	0.193	2013	0.192	0.191	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	2.375	Current		0.192	0.193	0.192	0.193	0.191	0.193	2013	0.192	0.191	0.2180	0.0272	0.0148	2014	2033
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY													
				0													



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162189	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: PROPANE SUB COOLER	Serial Number: 95261-AC	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62777	Tag Number: E-910	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1346.2	Vessel CA: 0.0630	Report Number: 26677

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		0.196	0.196	0.192	0.198	0.204	0.203	2013	0.198	0.192	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	2.375	Current		0.196	0.196	0.192	0.198	0.204	0.203	2013	0.198	0.192	0.2180	0.0272	0.0148		
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY							0						
50	Piping	Baseline		0.202	0.199	0.194	0.192	0.184	0.190	2013	0.194	0.184	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> Caution													
OD	2.375	Current		0.202	0.199	0.194	0.192	0.184	0.190	2013	0.194	0.184	0.2180	0.0272	0.0148		
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY							0						
55	Piping	Baseline		0.201	0.200	0.201	0.200	0.202	0.204	2013	0.201	0.200	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	2.375	Current		0.201	0.200	0.201	0.200	0.202	0.204	2013	0.201	0.200	0.2180	0.0272	0.0148		
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY							0						
60	Piping	Baseline		0.202	0.202	0.201	0.196	0.202	0.195	2013	0.200	0.195	0.2180	0.0272	0.0148	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	2.375	Current		0.202	0.202	0.201	0.196	0.202	0.195	2013	0.200	0.195	0.2180	0.0272	0.0148		
Spec.	B31.3			ST Loss MPY													
Material	A 106 - B			LT Loss MPY							0						