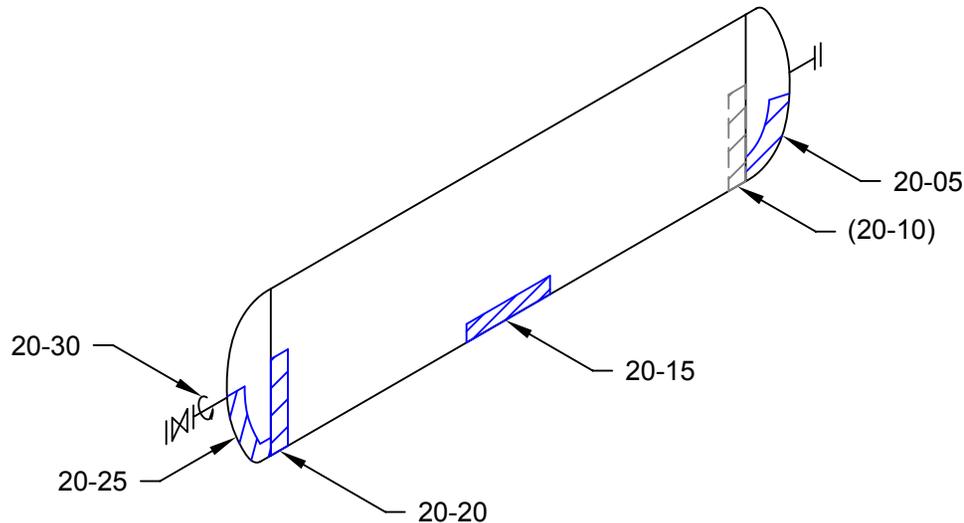
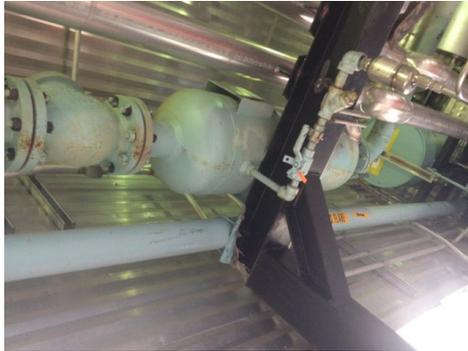


ITEM:

SECONDARY OIL SEPARATOR

V110779



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: 20

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 # : V110779

CRN # : N1354.2

SERIAL # : 95261-RB

MANUFACTURER : PROPAK SYSTEMS

DATE BUILT : 1996

CLIENT ID / TAG : V-1040

M.A.W.P. : 250 PSI

M.A.W.T. : 151° F

JOINT EFFICIENCY/RT : RT 3

STRESS RELIEVED : NO

INSULATED : NO

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	12.75"	.312"	SA-516-70	.063"
VESSEL SHELL	12.75"	.375"	SA-106-B	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: V110779	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: SECONDARY OIL SEPARATOR	Serial Number: 95261-RB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62778	Tag Number: V-1040	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1354.2	Vessel CA: 0.0630	Report Number: 26680

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
05	Head	Baseline	0.385	0.387	0.387	0.386	0.386	0.386	2013	0.386	0.385	0.3120	0.0630	0.0867	2014	2033	
Shape	Ellipsoidal	shell Side	Previous	Comments--> OK													
OD	12.75	Current	0.385	0.387	0.387	0.386	0.386	0.386	2013	0.386	0.385						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 516 - 70			LT Loss MPY						0							
10	Shell	Baseline	0.425	0.421	0.425	0.419	0.415	0.422	2013	0.421	0.415	0.3750	0.0630	0.1013	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	12.75	Current	0.425	0.421	0.425	0.419	0.415	0.422	2013	0.421	0.415						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							
15	Shell	Baseline	0.410	0.420	0.421	0.418	0.419	0.419	2013	0.418	0.410	0.3750	0.0630	0.1013	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	12.75	Current	0.410	0.420	0.421	0.418	0.419	0.419	2013	0.418	0.410						
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							
20	Shell	Baseline	0.415	0.410	0.412	0.412	0.412	0.411	2013	0.412	0.410	0.3750	0.0630	0.1013	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	12.75	Current	0.415	0.410	0.412	0.412	0.412	0.411	2013	0.412	0.410						
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: V110779	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: SECONDARY OIL SEPARATOR	Serial Number: 95261-RB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62778	Tag Number: V-1040	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1354.2	Vessel CA: 0.0630	Report Number: 26680

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
25	Head	Baseline	0.389	0.388	0.384	0.385	0.390	0.389	2013	0.388	0.384	0.3120	0.0630	0.0867	2014	2033	
Shape	Ellipsoidal	shell Side	Previous													Comments-->	OK
OD	12.75	Current	0.389	0.388	0.384	0.385	0.390	0.389	2013	0.388	0.384						
Spec.	VIII Div 1							ST Loss MPY									
Material	SA 516 - 70							LT Loss MPY	0								
30	Nozzle	Baseline	0.279	0.258	0.275	0.274	0.272	0.276	2013	0.272	0.258	0.2370	0.0630	0.0340	2014	2033	
Shape	Cylindrical	shell Side	Previous													Comments-->	OK
OD	4.5	Current	0.279	0.258	0.275	0.274	0.272	0.276	2013	0.272	0.258						
Spec.	VIII Div 1							ST Loss MPY									
Material	SA 106 - B							LT Loss MPY	0								
35	Piping	Baseline	0.730	0.726	0.564	0.689	0.566	0.609	2013	0.647	0.564	0.6740	0.0842	0.0280	2014	2033	
Shape	90° Elbow	shell Side	Previous													Comments-->	Caution
OD	4.5	Current	0.730	0.726	0.564	0.689	0.566	0.609	2013	0.647	0.564						
Spec.	B31.3							ST Loss MPY									
Material	A 234 - WPB							LT Loss MPY	0								
40	Piping	Baseline	0.654	0.652	0.612	0.726	0.710	0.683	2013	0.673	0.612	0.6740	0.0842	0.0280	2014	2033	
Shape	90° Elbow	shell Side	Previous													Comments-->	OK
OD	4.5	Current	0.654	0.652	0.612	0.726	0.710	0.683	2013	0.673	0.612						
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: V110779	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: SECONDARY OIL SEPARATOR	Serial Number: 95261-RB	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 250 MAWT F: 151	Process: SOUR
Skid: PKG62778	Tag Number: V-1040	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1354.2	Vessel CA: 0.0630	Report Number: 26680

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	0.252	0.249	0.245	0.249	0.249	0.246	2013	0.248	0.245	0.2370	0.0296	0.0280	2014	2033
Shape	90° Elbow	shell Side	Previous	Comments--> OK												
OD	4.5	Current	0.252	0.249	0.245	0.249	0.249	0.246	2013	0.248	0.245					
Spec.	B31.3									ST Loss MPY						
Material	A 234 - WPB									LT Loss MPY		0				