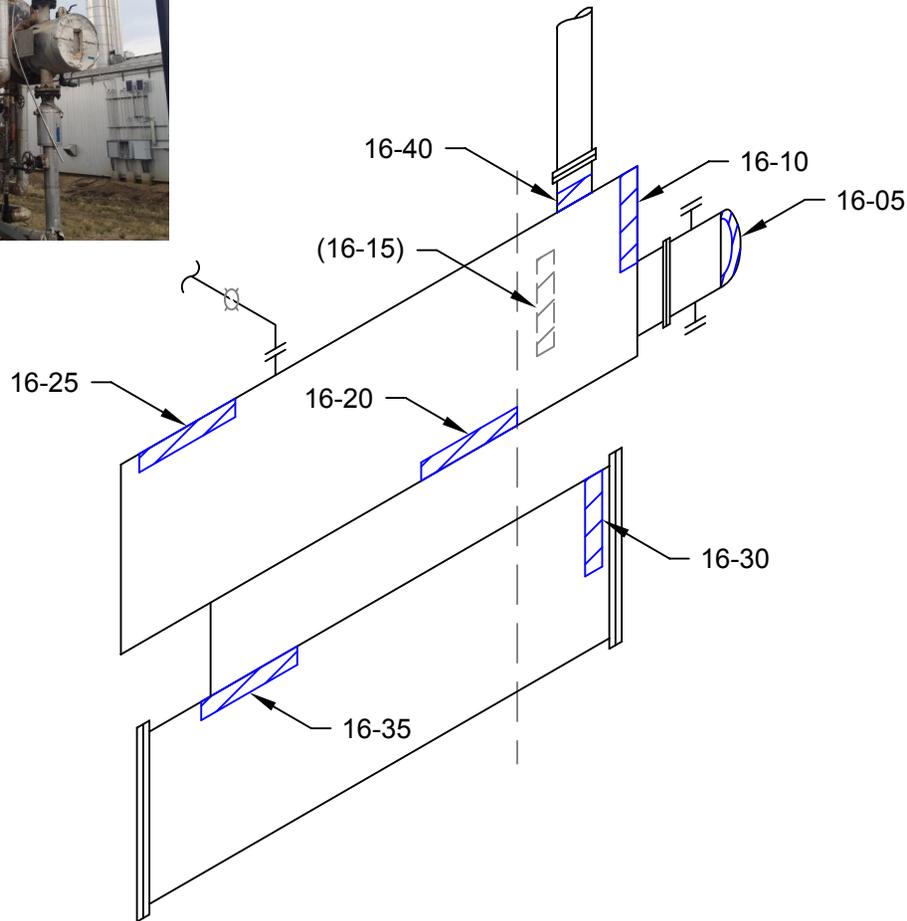


ITEM:

GLYCOL REBOILER

A3162251



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: 16

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 : HOT

VESSEL INFORMATION

VESSEL # : A3162251

CRN # : N1350.2

SERIAL # : 95261-A11

MANUFACTURER : PROPAK SYSTEMS

DATE BUILT : 1996

CLIENT ID / TAG : H-980

M.A.W.P. : 170 PSI

M.A.W.T. : 500° F

JOINT EFFICIENCY/RT : RT 3

STRESS RELIEVED : NO

INSULATED : YES

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	-	-	-	-
VESSEL SHELL	30"	.250"	SA-516-70	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

COMMENTS:

LIMITED ACCESS TO PIPING - ALL 1" & 2" PIPING TP AND INSULATED

PROJECT:

C61017



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162251	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: GLYCOL REBOILER	Serial Number: 95261-A11	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 170 MAWT F: 500	Process: SOUR
Skid: PKG62777	Tag Number: H-980	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1350.2	Vessel CA: 0.0630	Report Number: 26678

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
05	Piping	Baseline	0.396	0.400	0.398	0.400	0.395	0.408	2013	0.400	0.395	0.3750	0.0469	0.0773	2014	2033	
Shape	Ellipsoidal	shell Side	Previous	Comments--> OK													
OD	16	Current	0.396	0.400	0.398	0.400	0.395	0.408	2013	0.400	0.395						
Spec.	B31.3		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY						0								
10	Shell	Baseline	0.265	0.280	0.276	0.210	0.220	0.179	2013	0.238	0.179	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> Caution													
OD	30	Current	0.265	0.280	0.276	0.210	0.220	0.179	2013	0.238	0.179	NOMINAL ASSUMED					
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY						0								
15	Shell	Baseline	0.218	0.221	0.206	0.226	0.235	0.199	2013	0.218	0.199	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	30	Current	0.218	0.221	0.206	0.226	0.235	0.199	2013	0.218	0.199	NOMINAL ASSUMED					
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY						0								
20	Shell	Baseline	0.220	0.231	0.227	0.225	0.236	0.229	2013	0.228	0.220	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	30	Current	0.220	0.231	0.227	0.225	0.236	0.229	2013	0.228	0.220	NOMINAL ASSUMED					
Spec.	VIII Div 1		ST Loss MPY														
Material	SA 516 - 70		LT Loss MPY						0								



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 3162251	Manufacturer: PROPAK SYSTEMS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: GLYCOL REBOILER	Serial Number: 95261-A11	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1996	Shell MAWP PSI: 170 MAWT F: 500	Process: SOUR
Skid: PKG62777	Tag Number: H-980	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: N1350.2	Vessel CA: 0.0630	Report Number: 26678

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
25	Shell	Baseline	0.273	0.277	0.277	0.281	0.280	0.280	2013	0.278	0.273	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	30	Current	0.273	0.277	0.277	0.281	0.280	0.280	2013	0.278	0.273	NOMINAL ASSUMED					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 516 - 70			LT Loss MPY						0							
30	Shell	Baseline	0.246	0.233	0.230	0.222	0.223	0.224	2013	0.230	0.222	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	30	Current	0.246	0.233	0.230	0.222	0.223	0.224	2013	0.230	0.222	NOMINAL ASSUMED					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 516 - 70			LT Loss MPY						0							
35	Shell	Baseline	0.265	0.272	0.281	0.276	0.273	0.270	2013	0.273	0.265	0.2500	0.0630	0.1441	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	30	Current	0.265	0.272	0.281	0.276	0.273	0.270	2013	0.273	0.265	NOMINAL ASSUMED					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 516 - 70			LT Loss MPY						0							
40	Nozzle	Baseline	0.291	0.296	0.295	0.301	0.296	0.293	2013	0.295	0.291	0.2800	0.0630	0.0347	2014	2033	
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	6.625	Current	0.291	0.296	0.295	0.301	0.296	0.293	2013	0.295	0.291	STILL COLUMN					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY						0							