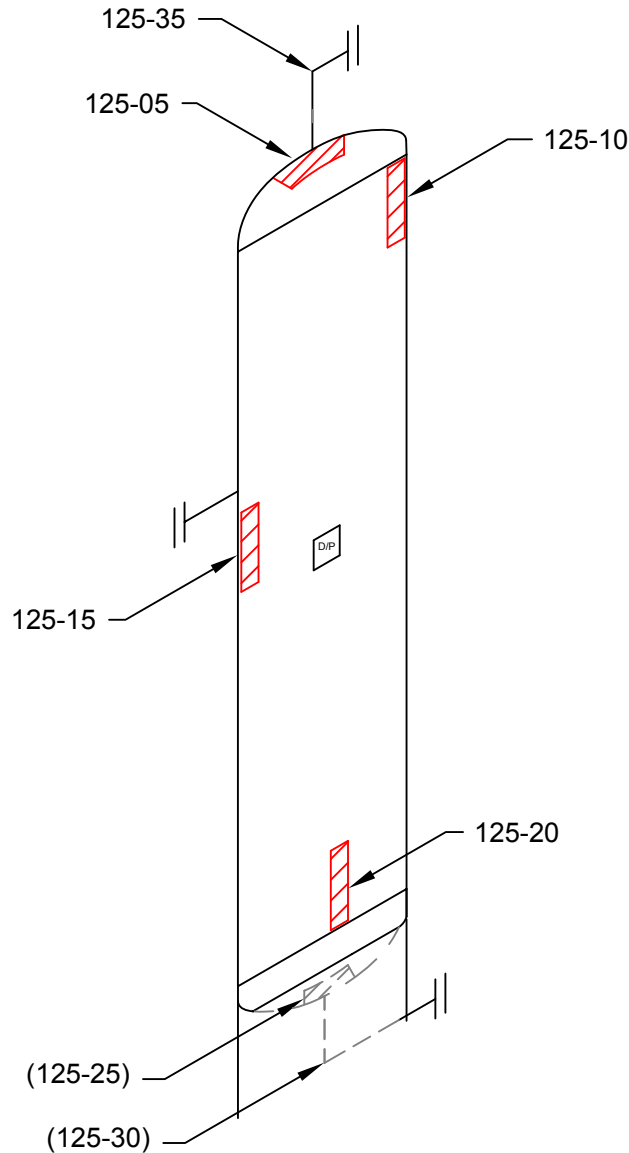


ITEM:

SEPARATOR

A 2592576



COMMENTS:



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

TECHNICIAN:

JOSHUA WALTERS
 SNT LEVEL II
 CGSB 48.9712
 LEVEL II # 15660

DATE: **01/31/11** DWG # **125**

CLIENT: **CNRL**

LSD: **12-17-075-11-W6M**

INSPECTOR : RAJ KHAN

LOCATION : VALHALLA

DISTRICT UNIT : WEST COUNTY

BLDG/SKID : SKD 0232

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 # : **A 2592576**

CRN # : H9492.2

SERIAL # : 107-39-90

MANUFACTURER : MAR-QUINN INDUSTRIES

DATE BUILT : 1990

CLIENT ID / TAG : -

M.A.W.P. : 720 PSI

M.A.W.T. : 100 °F

JOINT EFFICIENCY/RT : RT 2

STRESS RELIEVED : NO

INSULATED : NO

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	16"	.500"	SA-516-70	.063"
VESSEL SHELL	16"	.500"	SA-106-B	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

PROJECT:
C70099



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 12-17-075-11W6	Dwg: 125	Vessel Number: A2592576	Manufacturer: MAR-QUINN INDUSTRIES	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: SEPARATOR	Serial Number: 107-39-90	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 1990	Shell MAWP PSI: 720 MAWT F: 100	Process: SWEET
Skid: SKD0232		Tag Number: -	Tube MAWP PSI: 0 MAWT F: 0	Project #: C70099
		CRN: H9492.2	Vessel CA: 0.0630	

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date	
				1	2	3	4	5	6									
125-05	Top	Head	Baseline	0.462	0.475	0.483	0.483	0.482	0.478	2006	0.477	0.462	0.5000	0.0630	0.3098	2007	2026	
Shape	Ellipsoidal	Shell Side	Previous	Comments-->														
OD	16		Current	0.462	0.475	0.483	0.483	0.482	0.478	2006	0.477	0.462						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 516 - 70			LT Loss MPY						0.000								
125-10	Upper	Shell	Baseline	0.485	0.492	0.495	0.493	0.488	0.472	2006	0.488	0.472	0.5000	0.0630	0.3164	2007	2026	
Shape	Cylindrical	Shell Side	Previous	Comments-->														
OD	16		Current	0.485	0.492	0.495	0.493	0.488	0.472	2006	0.488	0.472						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 516 - 70			LT Loss MPY						0.000								
125-15	Mid	Shell	Baseline	0.451	0.449	0.453	0.451	0.462	0.467	2006	0.456	0.449	0.5000	0.0630	0.3164	2007	2026	
Shape	Cylindrical	Shell Side	Previous	Comments-->														
OD	16		Current	0.451	0.449	0.453	0.451	0.462	0.467	2006	0.456	0.449						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 516 - 70			LT Loss MPY						0.000								
125-20	Lower	Shell	Baseline	0.471	0.469	0.461	0.455	0.449	0.442	2006	0.458	0.442	0.5000	0.0630	0.3164	2007	2026	
Shape	Cylindrical	Shell Side	Previous	Comments-->														
OD	16		Current	0.471	0.469	0.461	0.455	0.449	0.442	2006	0.458	0.442						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 516 - 70			LT Loss MPY						0.000								



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD:	12-17-075-11W6	Dwg:	125	Vessel Number:	A2592576	Manufacturer:	MAR-QUINN INDUSTRIES	Survey Date:	1/31/11
District Unit:	WEST COUNTY	Vessel Name:	SEPARATOR	Serial Number:	107-39-90	Inspector:	RAJ KHAN	Process:	SWEET
Location:	VALHALLA	Year Built:	1990	Shell MAWP PSI:	720	MAWT F:	100	Project #:	C70099
Skid:	SKD0232	Tag Number:	-	Tube MAWP PSI:	0	MAWT F:	0		
		CRN:	H9492.2	Vessel CA:	0.0630				

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date	
				1	2	3	4	5	6									
125-25	Bottom	Head	Baseline	0.466	0.467	0.467	0.469	0.466	0.462	2006	0.466	0.462	0.5000	0.0630	0.3098	2007	2026	
Shape	Ellipsoidal	Shell Side	Previous	Comments-->														
OD	16		Current	0.466	0.467	0.467	0.469	0.466	0.462	2006	0.466	0.462						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 516 - 70			LT Loss MPY						0.000								
125-30	Drain	Nozzle	Baseline	0.209	0.204	0.207	0.208	0.207	0.204	2006	0.207	0.204	0.2500	0.0630	0.0202	2007	2026	
Shape	90° Elbow	Shell Side	Previous	Comments-->														
OD	1.315		Current	0.209	0.204	0.207	0.208	0.207	0.204	2006	0.207	0.204						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 234 - WPB			LT Loss MPY						0.000								
125-35		Nozzle	Baseline	0.293	0.296	0.297	0.296	0.296	0.294	2006	0.295	0.293	0.3430	0.0630	0.0418	2007	2026	
Shape	90° Elbow	Shell Side	Previous	Comments-->														
OD	2.375		Current	0.293	0.296	0.297	0.296	0.296	0.294	2006	0.295	0.293						
Spec.	VIII Div 1			ST Loss MPY						OK								
Material	SA 234 - WPB			LT Loss MPY						0.000								
125-40		Piping	Baseline	0.185	0.177	0.188	0.185	0.194	0.193	2006	0.187	0.177	0.2180	0.0272	0.0420	2007	2026	
Shape	90° Elbow	Shell Side	Previous	Comments-->														
OD	2.375		Current	0.185	0.177	0.188	0.185	0.194	0.193	2006	0.187	0.177						
Spec.	B31.3			ST Loss MPY						Caution								
Material	A 234 - WPB			LT Loss MPY						0.000								



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 12-17-075-11W6	Dwg: 125	Vessel Number: A2592576	Manufacturer: MAR-QUINN INDUSTRIES	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: SEPARATOR	Serial Number: 107-39-90	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 1990	Shell MAWP PSI: 720 MAWT F: 100	Process: SWEET
Skid: SKD0232		Tag Number: -	Tube MAWP PSI: 0 MAWT F: 0	Project #: C70099
		CRN: H9492.2	Vessel CA: 0.0630	

Band	Description		Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
			1	2	3	4	5	6								
125-45	Piping	Baseline	0.181	0.168	0.159	0.157	0.161	0.164	2006	0.165	0.157	0.1540	0.0192	0.0420	2007	2026
Shape	90° Elbow	Shell Side	Previous													
OD	2.375	Current	0.181	0.168	0.159	0.157	0.161	0.164	2006	0.165	0.157	Comments-->				
Spec.	B31.3		ST Loss MPY						OK							
Material	A 234 - WPB		LT Loss MPY						0.000							
125-50	Piping	Baseline	0.139	0.140	0.140	0.138	0.138	0.139	2006	0.139	0.138	0.1540	0.0192	0.0420	2007	2026
Shape	90° Elbow	Shell Side	Previous													
OD	2.375	Current	0.139	0.140	0.140	0.138	0.138	0.139	2006	0.139	0.138	Comments-->				
Spec.	B31.3		ST Loss MPY						OK							
Material	A 234 - WPB		LT Loss MPY						0.000							