

			LSD: 06	-25-046-0	03W4	Date: 2	015-01-20	SAP Equip	ment ID	62045576	
				AIR CO	OLED HEAT E	XCHANGE	R STATIC DA	ATA			
Plant:	F	livercourse				OP Unit:			System:		
Prov. Insp . #	:		NB#	#: 2243	243 CRN: M-5200-23			-23	Equip Tag#: 62045576		
quipment De	escription:	HEAT E	EXCHANGER					Serial #:	015	43-2	
danufacturer	: A	IR COOLED EX	CHANGER INC					Vessel Class	: ACI	HE	
nternal Acce	ss: N	lo		D	escription:				Year Built:	200	01
1AWP:		1724	kpa	A	t Temp	112	С		MDMT:		-29 C
ode: N/S			F	luid Service:	Sweet:	Sour:		PWHT:	No		
imension					ength: 0			AL: mm	Orientation:		
SHI	ELL	Mat'l: Unk	_{known} SA 51	6-70 T	hickness:	0.00	12.7 _{mm}		Corr Allowar	nce: ().00
	Nozzle Mat'l:				hickness:				Corr Allowar	nce:	
nternal Coat	ing:			I	nternal Clad:	Capacity:					m3
Nozzle Ratin	g:	300	lb ANSI	P	Painted:	Υe	es		Insulated:	No	
					PROCES	S DATA					
Operating Pr	essure		kpa	C	Operating Temp: C Status: Shut-In						
					PSV STAT	IC DATA					
			Size	e(mm)	Set Press	Capacity Imperial	Manufacture	er	Model	Last	Service
Tag #	Serial No	. Location	Inlet	Out	let (kPa)	(SCFM)			Model	Service	Company
3415	7907-20	Piping	25.40	25.4	40 1379	761	Taylor Valve		T-8200-1	2010/06/01	GUEST
					PSV DE	TAILS	•			•	
		Type(T	hread/Flang	e)	IA.	NSI Rating			Siz	e(In/mm)	
PRD Inle	et	Thread	ed		N	N/A			25	5.40	
PRD Outlet Threaded					N/A				25.40		
				NI	DE Equipmen	t Records					
Proced	lure #	Descri	ption	Mai	nufacturer	Model#			Serial# Due Date		
**** See A	ssociated N	IDF Report	<u>!</u>			!				!	

INSPECTION SUMMARY

VESSEL IS FIT FOR SERVICE. PIPING CML'S SHOW RDGS LOWER THAN NOM-MIL HOWEVER THE WALL LOSS IN MINOR AND ACCEPTABLE AT TIME OF INSPECTION.

RECOMMENDATIONS

RECOMMEND TO SERVICE PSV BEFORE PUTTING VESSEL BACK INTO SERVICE.

NONCONFORMANCES/INSPECTION DEFICIENCES

PSV SERVICE IS PAST DUE.

Service PSV prior to re-commissioning the cooler.



		INSPECTIO	N PLANNING					
Inspection Strategy		Availability		Ins	pection Interval	_	5 year	
	2015/01/20	Date of Last Inspect	e of Last Inspect		te of Next Insp		2020	
		REPORT CEI	RTIFICATION					
	, , ,		with the identified inspe	ction strateg	y and that the			
Inspected by	Justin Orich	nowski		Cert #	758	Date	2015/01/20	
Reviewed and Approved	I by					Date		
Criticality Assessment Re	erun	Inspection Plan	nning Rerun					
Assessed Next Inspection	on Date 2020							



DETAILED INSPECTION VISUAL EXTERNAL

10 Description Control Control Control Control Control Control Control Control Access* Access* No. 8 CODE CONTROL						
Vol General Corrosion Accept to Management No. MOTORISMORIA Vol Uniform N.M. Imagement No. STREAMENT Vol Ladder/Stanony N.M. Imagement No. Imagement Vol Cathologout N.M. Imagement No. Imagement Vol Cathologout N.M. Imagement No. Imagement Vol Sander (Management N.M. Imagement No. Imagement Vol Image	ID	Description	Condition	Location	NCR	Comments
V3 General Leades NA NA NO NOT TO SPRINTE. V4 Vibroson NA NA NO NOT TO SPRINTE. V5 Indistributions Accept NO NO NO V6 Indistributions NA NO NO V7 Heads NA NO NO V80 Ectrical Gound NA NO NO V81 Editor Sound NA NO NO V81 Cathoris Onter or Bellows Accept NO NO NATT IN GOOD CONDITION. V81 Cathoris Onter or Bellows NA NO NO NO NATT IN GOOD CONDITION. V81 Seel Accept NA NO GOOD CONDITION. V81 Seel NA NO GOOD CONDITION. V82 Seel NA NO GOOD CONDITION. V82 Seel NA Accept NO GOOD CONDITION. V82 Seel Name NA <t< td=""><td>V1</td><td>General Other (Please Explain)</td><td>Accept</td><td></td><td>No</td><td>GOOD CONDITION.</td></t<>	V1	General Other (Please Explain)	Accept		No	GOOD CONDITION.
Value of Market of Section 1985 NA No. NOT IN SERVICE V5 Describiar Flange Reling Accept NO. Control Control V6 Exister's Sainway NNA NO. Control Control V7 Restorical Circund NNA NO. Control Control V10 Existerial Circund NNA NO. PORTITIVE COOD CORRESTION. V11 Contain-granting Accept NNA NO. PORTITIVE COOD CORRESTION. V11 Contain-granting Accept NNA NO. CONTROL V12 Stransical Tollin or Bellows NNA NO. CONTROL V13 Guagnisian Solitin or Bellows NNA NO. CONTROL V14 Stell Accept NNA NO. CONTROL V15 Schoolt NNA NO. PORTION INVEST. SUPPORTER. V12 Support Chart (Please explain) Accept NNA NO. CONTROL V14 School (Please explain) Accept NO. PORTION INTERCO	V2	General Corrosion	Accept		No	NO CORROSION.
VS Desiribler Plange Rating Accept No No VS Ladder/Stairway N/A No No VS Leeds N/A No No VS Excitral Ground N/A No No VID Carting Franting Accept No PARVIT IN GOOD CONDITION. VIL Catting Franting Accept No No PARVIT IN GOOD CONDITION. VIL Support Coher (Please explain) Accept No 0000 CONDITION. VIL Support Coher (Please explain) Accept No 0000 CONDITION. VIL Support Coher (Please explain) Accept No 0000 CONDITION. VIL Support Coher (Please explain) Accept No 0000 CONDITION. VIL Support Coher (Please explain) Accept No PRINT IS WELL SUPPORTED. VIL Support Coher (Please explain) Accept No PRINT IS WELL SUPPORTED. VIL Support Coher (Please explain) Accept No PRINT IS WELL SUPPORTED.	V3	General Leaks	N/A		No	NOT IN SERVICE.
Value	V4	Vibration	N/A		No	NOT IN SERVICE.
VP Heads N/A N/A NO Central Ground N/A NO Central Ground N/A NO Central Ground N/A NO Central Ground N/A NO PAINT IN COOD CONDITION. V11 Casting/Panting Accept N/A NO PAINT IN COOD CONDITION. V12 Expansion Solid on Bellows N/A N/A NO COOD CONDITION. V13 Guage/Site Gloss N/A N/A NO COOD CONDITION. V14 Stell Accept N/A NO PEPING IS WELL SUPPORTED. V15 Saddel Solid N/A N/A NO PEPING IS WELL SUPPORTED. V12 Support Other (Please explain) Accept N/A NO PEPING IS WELL SUPPORTED. V12 Support Other (Please explain) Accept N/A NO PEPING IS WELL SUPPORTED. V12 Support Other (Please explain) A/A N/A NO PEPING IS WELL SUPPORTED. V12 Support Other (Please explain) N/A N/A	V5	Dissimilar Flange Rating	Accept		No	
V9 Electrical Ground N/A N/A NO V10 Painted Inactive Corrosion N/A NO NO V11 Casting/Painting Accept NO NO V12 Expansion Joint or Bellows N/A NO NO V13 Sugpost States N/A NO CODO CONDITION. V13 Sugpost States N/A NO CODO CONDITION. V15 Jacket N/A NO CODO CONDITION. V15 Jacket N/A NO CODO CONDITION. V16 Stell Accept NO CODO CONDITION. V17 Subject Cother (Please explain) Accept NO PPRING IS VIELL SUPPORTED. V17 Subject Cother (Please explain) A/A NO CODO CONDITION. V18 Subject Cother (Please explain) A/A NO CODO CONDITION. V19 Freprocting N/A NO CODO CONDITION. V19 Subject Company Accept NO PPRING	V6	Ladder/Stairway	N/A		No	
VVD Painted functive Corrosion N/A No PAINT IN GOOD CONDITION. V11 Coating/Painting Accept No PAINT IN GOOD CONDITION. V12 Expansion Joint or Bellows N/A No COCOD CONDITION. V13 Gauge/Site Class N/A No COCOD CONDITION. V14 Shell Accept No COCOD CONDITION. V15 Sacket N/A No PUPING IS WELL SUPPORTED. V20 Support Other (Please explain) Accept No PUPING IS WELL SUPPORTED. V21 Support Other (Please explain) Accept No PUPING IS WELL SUPPORTED. V22 Foundation N/A No PUPING IS WELL SUPPORTED. V23 Anchor Relian N/A No PUPING IS WELL SUPPORTED. V23 Anchor Relian N/A No PUPING IS WELL SUPPORTED. V24 AddleSkirt N/A No PUPING IS WELL SUPPORTED. V24 Franches Accept No PUPING IS WELL SUPPORTED.	V7	Heads	N/A		No	
V11 Coating/Painting Accept No MAINT IN GOOD CONDITION. V12 Espansion Joint or Bellows N/A No COOD CONDITION. V13 Gauge/Site Glass N/A No COOD CONDITION. V14 Shell Accept No COOD CONDITION. V15 Jacket N/A No COOD CONDITION. V15 Jacket N/A No COOD CONDITION. V21 Support Other (Please explain) Accept No PSPRING IS WELL SUPPORTED. V22 Foundation N/A No PSPRING IS WELL SUPPORTED. V23 Anchor Bolts N/A No PSPRING IS WELL SUPPORTED. V24 Anchor Bolts N/A No PSPRING IS WELL SUPPORTED. V24 Anchor Bolts N/A No PSPRING IS WELL SUPPORTED. V25 Davit N/A No PSPRING IS WELL SUPPORTED. V24 Sacilla/Skirt N/A No PSPRING IS WELL SUPPORTED. V25 Brait <td< td=""><td>V9</td><td>Electrical Ground</td><td>N/A</td><td></td><td>No</td><td></td></td<>	V9	Electrical Ground	N/A		No	
V12 Expansion Joint or Bellows N/A NO NO V13 Gauge/Site Glass N/A NO NO COCOD CORDITION. V14 Shell Accept NO NO COCOD CORDITION. V15 Jacket N/A NO PPIPIG IS WELL SUPPORTED. V21 Support Other (Please explain) Accept NO PPIPIG IS WELL SUPPORTED. V21 Support Other (Please explain) Accept NO PPIPIG IS WELL SUPPORTED. V22 Foundation N/A NO PPIPIG IS WELL SUPPORTED. V22 Shadler/Skirt N/A NO NO V23 Anchor Bolts N/A NO PPIPIG IS WELL SUPPORTED. V24 Saddler/Skirt N/A NO NO V25 Davit N/A NO PPIPIG IS WELL SUPPORTED. V24 Saddler/Skirt N/A NO PPIPIG IS WELL SUPPORTED. V25 Davit N/A NO PPIPIG IS WELL SUPPORTED. V23 Sanil Bran	V10	Painted Inactive Corrosion	N/A		No	
V31 Gauge/Site Glass N/A NO GOOD CONDITION. V14 Shell Accept NO GOOD CONDITION. V15 Jacket NA NO GOOD CONDITION. V21 Support Other (Please explain) Accept NO PPINIC IS WELL SUPPORTED. V22 Foundation N/A NO PPINIC IS WELL SUPPORTED. V23 Anchor Bolts N/A NO NO V24 Saddle/Skirt N/A NO NO V35 Durit N/A NO NO V36 Frieprocifing N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Rozales Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Rozales Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V34 Ramaways N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Rozales	V11	Coating/Painting	Accept		No	PAINT IN GOOD CONDITION.
V14 Shell Accept No GODD CONDITION. V15 Jacket N/A NO PIPING IS WELL SUPPORTED. V22 Support Other (Please explain) Accept NO PIPING IS WELL SUPPORTED. V22 Foundation N/A NO PIPING IS WELL SUPPORTED. V23 Anchor Boils N/A NO PIPING IS WELL SUPPORTED. V24 Saddle/Skirt N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V35 David N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Nozzles Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Rosall Branches Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V34 Rosall Branches Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Rosall Branches Accep	V12	Expansion Joint or Bellows	N/A		No	
V15 Jacket N/A NO PIPING IS WELL SUPPORTED. V21 Support Other (Please explain) Accept NO PIPING IS WELL SUPPORTED. V22 Foundation N/A NO Image: Company of the Company of th	V13	Gauge/Site Glass	N/A		No	
V21 Support Other (Please explain) Accept No PPIPINS IS WELL SUPPORTED. V22 Foundation N/A NO	V14	Shell	Accept		No	GOOD CONDITION.
V22 Foundation N/A NO	V15	Jacket	N/A		No	
V23 Anchor Bolts N/A NO	V21	Support Other (Please explain)	Accept		No	PIPING IS WELL SUPPORTED.
V24 Saddle/Skirt N/A NO V25 Davit N/A NO	V22	Foundation	N/A		No	
V25 Davit N/A N/A NO V26 Fireproofing N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept NO NO V33 Nozzles Accept NO NO V34 Manways N/A NO NO V35 Reinforcing Pads N/A NO ACCEPT V36 Inadequate Thread Engagement Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps N/A NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V41 Insulation Other (Please explain) N/A NO ADEQUATE THREAD ENGAGEMENT OBSERVED.	V23	Anchor Bolts	N/A		No	
V26 Fireprofing N/A No PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept No No V33 Nozzles Accept No No V34 Manways N/A No No V35 Reinforcing Pads N/A No ACCEPT No V36 Inadequate Thread Engagement Accept No ACCEPT ACCEPT No ACCEPT ACCEPT No ACCEPT ACCEPT No ACCEPT <td>V24</td> <td>Saddle/Skirt</td> <td>N/A</td> <td></td> <td>No</td> <td></td>	V24	Saddle/Skirt	N/A		No	
V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept No V33 Nozzles Accept No V34 Manways N/A No V35 Reinforcing Pads N/A No ACCEPT V36 Inadequate Thread Engagement Accept No ACCEPT V37 Bolting Accept No ACCEPT V38 Flanges Accept No ACCEPT V39 Leak Clamps N/A No ACCEPT V41 Insulation Other (Please explain) N/A No ACCEPT V42 Damage N/A No ACCEPT V43 Penetrations N/A No ACCEPT V44 Insulation Jacket N/A No ACCEPT V45 Banding N/A No ACCEPT V46 Seals/Joints N/A<	V25	Davit	N/A		No	
V32 Small Branches Accept No No V33 Nozzles Accept No No V34 Manways N/A No No V35 Reinforcing Pads N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V31 Leak Clamps N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED.<	V26	Fireproofing	N/A		No	
V33 Nozzles Accept No V34 Manways N/A No V35 Reinforcing Pads N/A No V36 Inadequate Thread Engagement Accept No V37 Bolting Accept No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Seals/Joints N/A No V45 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept	V31	Connections Other (Please explain)	Accept		No	PIPING CONNECTIONS IN GOOD CONDITION.
V34 Manways N/A NO V35 Reinforcing Pads N/A NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V36 Inadequate Thread Engagement Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept NO ACCEPT V39 Leak Clamps N/A NO ACCEPT V41 Insulation Other (Please explain) N/A NO ACCEPT V42 Damage N/A NO ACCEPT V43 Penetrations N/A NO ACCEPT V44 Insulation Jacket N/A NO ACCEPT V44 Insulation Jacket N/A NO ACCEPT V45 Banding N/A NO ACCEPT V46 Seals/Joints N/A NO ACCEPT V51 Relief Devices Other (Please explain) Concern NO NO NO	V32	Small Branches	Accept		No	
V35 Reinforcing Pads N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No Inadequate Thread Engagement of Served. V38 Flanges Accept No Inadequate Thread Engagement of Served. V39 Leak Clamps Accept No Inadequate Thread Engagement of Served. V39 Leak Clamps N/A No Inadequate Thread Engagement of Served. V39 Leak Clamps Accept No Inadequate Thread Engagement of Served. V41 Insulation Jacket (Please explain) N/A No Inadequate Thread Engagement of Served. V44 Insulation Jacket N/A No Inadequate Thread Engagement of Served. V44 Insulation Jacket N/A No Inadequate Thread Engagement of Served. V44 Insulation Jacket N/A No Inadequate Thread Engagement of Served. V44 Insulation Other (Please explain) N/A No Inadequat	V33	Nozzles	Accept		No	
V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V45 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No No V53 Leaks N/A No No No V53 Restricted Inlet/Outlet Accept No No No <	V34	Manways	N/A		No	
V37 Bolting Accept No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No V54 Restricted Inlet/Outlet Accept No	V35	Reinforcing Pads	N/A		No	
V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No V54 Restricted Inlet/Outlet Accept No	V36	Inadequate Thread Engagement	Accept		No	ADEQUATE THREAD ENGAGEMENT OBSERVED.
V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No NO V53 Leaks N/A No NO V54 Restricted Inlet/Outlet Accept No No	V37	Bolting	Accept		No	
V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No V54 Restricted Inlet/Outlet Accept No	V38	Flanges	Accept		No	
V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No V54 Restricted Inlet/Outlet Accept No	V39	Leak Clamps	N/A		No	
V43PenetrationsN/ANoV44Insulation JacketN/ANoV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoSERVICED 06/2010 - PSV SERVICE IS PAST DUE.V52CorrosionAcceptNoNoV53LeaksN/ANoNOT IN SERVICE.V54Restricted Inlet/OutletAcceptNo	V41	Insulation Other (Please explain)	N/A		No	
V44Insulation JacketN/ANoV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoV52CorrosionAcceptNoV53LeaksN/ANoNoV54Restricted Inlet/OutletAcceptNo	V42	Damage	N/A		No	
V45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoSERVICED 06/2010 - PSV SERVICE IS PAST DUE.V52CorrosionAcceptNoV53LeaksN/ANoNOT IN SERVICE.V54Restricted Inlet/OutletAcceptNo	V43	Penetrations	N/A		No	
V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No V53 Leaks N/A No NOT IN SERVICE. V54 Restricted Inlet/Outlet Accept No	V44	Insulation Jacket	N/A		No	
V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No NOT IN SERVICE. V53 Leaks N/A Accept No No NOT IN SERVICE.	V45	Banding	N/A		No	
V52 Corrosion Accept No No NoT IN SERVICE. V53 Leaks N/A Accept No No NoT IN SERVICE.	V46	Seals/Joints	N/A		No	
V53 Leaks N/A No NOT IN SERVICE. V54 Restricted Inlet/Outlet Accept No	V51	Relief Devices Other (Please explain)	Concern		No	SERVICED 06/2010 - PSV SERVICE IS PAST DUE.
V54 Restricted Inlet/Outlet Accept No	V52	Corrosion	Accept		No	
	V53	Leaks	N/A		No	NOT IN SERVICE.
V55 Manual Operation Lever N/A No	V54	Restricted Inlet/Outlet	Accept		No	
	V55	Manual Operation Lever	N/A		No	



DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

DETAILED INSPECTION TUBE INSPECTION

	Tube #	Flaw Type	Flaw Length	Location on Tube	Wall Loss	NCR	Comments
Г							

DETAILED INSPECTION UT THICKNESS

	CML	Nom. Thickness (mm)	CURRENT READINGS (mm)	short term corr rate (mm/y)	long term corr rate (mm/y)	remaining life (year)	Survey Date	Comments
05	(SHELL) 12.7 mm	0.00	12.65	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A
10	(SHELL) 12.7 mm	0.00	12.57	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A

15	(90L 2 XS)	5.54	4.75	0.0556	0.0556	78.7	2015/01/20	LOW RDG IS BETWEEN NOM-CA AND Tmin
20	(90L 2 XS)	5.54	4.78	0.0538	0.0538	81.8	2015/01/20	LOW RDG IS BETWEEN NOM-CA AND Tmin

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Justin Orichowski	12-0-	1	16325	01/20/2015	104_91638503_EPOCH4	06/17/2015	WQS UT-001





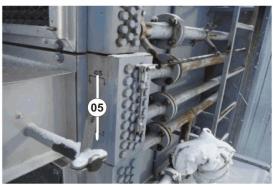
Client:

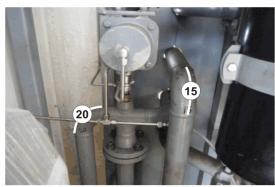
HUSKY ENERGY

EXAMINATION ILLUSTRATION

DISTRICT:	AB- SOUTH	FACILITY:	RIVERCOURSE	LOCATION/LSD:	06-25-046-03W4
EQUIP NAME:	HEAT EXCHANGER			PROV REG No.:	
SERIAL No.:	01543-2	Equip No.:	62045576	National Board No.:	







notes:		



Client:

HUSKY ENERGY

PHOTOGRAPHS

EQUIP NAME:	HEAT EXCHANGER			PROV REG No.:	
SERIAL No.:	01543-2	Equip No.:	62045576	National Board No.:	



NAMEPLATE



VERALL



		_

NOTES:			