

DOES NOT RETURN TO SERVICE

Form: QR-19.7a Rev.: 2, Date: Jan 22<sup>nd</sup>, 2018

## PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13	3 W5M		Date Ju	ıly 13, 202	21	SAP	Equip	oment I	D 66	150755	Repor	t #	
				VE		L STAT		ATA					
Plant					_ C	Op Unit				Syste			
Prov. Insp. #		NI	3#		C	CRN					p Tag #		
Equipment D	escription		Flare S	tack						Seria	I #	3235-00	00
Manufacturer			Pyrami	d Proces	s Fat	oricato	rs	-134_ 17700-1143		Vess	el Clas	S	
Internal Acce	ss YES	S	NO De	scription	1					Year	Built	2008	
MAWP			kPa / P	SI (	@			°C	/°F	MDM	Т		°C / °F
CODE UM	U U2			RT 1		3 4				PWH	Т		
Diameter		Le	ngth (	T/T)	mr	n/in	OAL		mm / in	Vertic	al	Horizon	ital
Shell Mat	'I SA-333	-GR6		Thickn	ess				mm / in	Corr /	Allowan	ce	mm / in
Head Mat	'1			Thickn	ess				mm / in	Corr A	Allowan	ce	mm / in
Nozzle Mat	'1			Thickn	ess				mm / in	Corr /	Allowan	ce	mm / in
Internal Coati	ing: YES	NO		Interna	I Clad	i YE	S	NO		Capa	city		m <sup>3</sup>
Manway	YES	NO		Inspect	tion P	ort YI	ES	NO	NA	Skirt	Legs	Saddle	
Nozzle Rating		I	ANSI	Painted		YE		NO		Insul		YES	NO
					PRO	CESS	DATA	4					
Product Desc									Sweet		Sour		
Operating Pro	essure				a / psi					perature	1		°C / °F
				PROTE					SD				
	Lagatio	_	6			STATIC		Anufac	turor	Model	Tuno	Last Serv	ico Dato
Serial No.	Locatio	on 、	5-75	et sure	SCFM/I GPM	pacity Lbs/Hr/	IVIC	anuiac	turer	woder	туре	& Com	
		(751			PR	D DET		NOL D	Alm m		1	Cina (mana	,
PRD Inlet	Тур	oe (Tr	read/FI	ange)			Al	NSI R	ating			Size (mm	1)
PRD Outlet												F.1.17	
THE GULLOT					NSPE	CTION	SI IMN	IARV					
		0 0			NOI L	C//O/V	3010110	<i>I</i> ////		10.0			
Flare stack appea	rs to be in goo	d cond	ition.										
										- 34			
·		***************************************			PECC	OMMEN	DATIC	ONG			*****		
	*				ALOC	JIVIIVI LIVI	<i>DA 11</i> 0	2110					
i .													
		5-1111	NONC	CONFORM	IANO	EQ / INIO	DECT	TON D	EEICIEI	VCIES			
			NONC	ONFORI	IAIVUE	_3 / 11/3	LUI	ION DI	LITOILI	IOILO			
					NODE	CTION	DI AAU	AUAIO		10.70			
Inspection Strate	eqv		A	/ailability	NOPE	CTION I	-LANI	MING	Ins	spection Ir	nterval		
Inspection Date	-			ate of Last	Inspec	:t ·				te of Next		201	
opoodon bate	-											-	-

**Optional Rule Group Confirmed** 

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#### PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M Date July 13, 2021 SAP Equipment ID 66150755 Report

REPORT CERTIFICATION The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection. Inspected by Warren Gill Date July 13, 2021 PESL# API# Company Reviewed and Approved by Date PESL# API# **Criticality Assessment Rerun** Inspection Planning Rerun

**Assessed Next Inspection Date** 

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### PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M Date July 13, 2021 SAP Equipment ID 66150755 Report #

DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	SPECTION VISUA Location	NCR	Comments
V1	General Other (Please Explain)	good			No issues noted
V2	General Corrosion	good			None noted
V3	General Leaks	good			None noted
V4	Vibration	Good			Site shut in
V5	Dissimilar Flange Rating	good	Á		None noted
V6	Ladder/Stairway/Platforms	N/A			
V7	Heads	N/A			
V8	Guy Wires	N/A			
V9	Electrical Ground	good			grounded
V10	Painted Inactive Corrosion	N/A			Not painted
V11	Coating/Painting	N/A			
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	N/A			
V14	Shell	good			
V15	Jacket	N/A			
V21	Support Other (Please explain)	good			
V22	Foundation	good			Metal base on pilings
V23	Anchor Bolts	good			secure
V24	Saddle/Skirt	N/A			
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)				
V32	Small Branches	N/A			
V33	Nozzles	good			
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	good			None noted
V37	Bolting	good			
V38	Flanges	good			
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	N/A			
V42	Damage	N/A			
V43	Penetrations	N/A			
V44	Insulation Jacket	N/A			
V45	Banding		42		
V46	Seals/Joints				
V51	Relief Devices Other (Please explain)				
V52	Corrosion	Good			None noted
V53	Leaks	good			None noted
V54	Restricted Inlet/Outlet	N/A			
V55	Manual Operation Lever	N/A			

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ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)				
V2	Corrosion (depth, length, width)				
V3	Erosion				
V4	Distortion				
V5	Blisters				
V6	Deposits				
V7	Heads				
V8	Welds				
V9	Nozzles				
V10	Shell				
V11	Gasket Surfaces				
V21	Internals Other (Please explain)				
V22	Demister				
V23	Baffle/Weir				
V24	Sparger				
V25	Thermowells				
V26	Metallic Linings				
V27	Nonmetallic Linings				
V28	Trays			7.	
V29	Tray Rings				
V30	Other Welded Attachments				

		Magnetic Particle	Equipment record	s
Procedure #		Description		
Manufacturer	Model	Serial #	Current Type	Mag Part Type
Lighting	Material + Grade	Thickness	Cal Block SN	Cal Due Date

		Liquid Pene	trant Equipme	ent records	
Procedure #		Description			
Penetrant	Solvent	Developer	Cleaner	Lighting	Material Grade + Thickness

**DETAILED INSPECTION OTHER TECHNIQUES** 

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments
1			10,00 41.00		
2					
3					
4					
5					
6					
7					
8					
9					•
10				100	

		Ultrasonic Equ	uipment records	
Procedure #		Description		
Test Unit	Instrument Mfr	Model #	Serial #	Cal Due Date
Probe	Frequency	Probe SN	Probe Diameter	Couplant
Cal Block	Cal Block Size	Cal Block SN	Cal Block Mtl	

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Report #

CML	Nom. Thk	Current Reading	Short Term Corr Rate	Long Term Corr Rate	Remaining Life	Comments
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LSD 6-16-47-13 W5M

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#### **PHOTOS**







Vessel Overview

