

General Information

Date:	October 10, 2025			
Client/Owner:				
		Location Access:	All Year	
		Inspection Type(s):	UT	
Facility:	Battery			

Pressure Equipment Information

Equip Name:	Inlet Separator	CA (in):	0.1260	mm:	3.2
Manufacturer:	Larsen & D'amico	MDMT:	- 29 C		
Provincial #:	A0465357	Unit /Skid #:	N/A	PWHT:	Yes
S/N:	HS-10551	Equip #:	N/A	RT:	RT-1
CRN:	P4707.213	Year Built:	2001	Manway:	No
NB #:	N/A	Orientation:	Horizontal	Size (in):	

Zones

	MAWP (PSI)	MAWT (F)	MAWP (KPA)	MAWT (C)	Comment
Shell Side	1440	130			
Tube Side					

Components

	Dia (OD) in.	Type	Material	Nominal (in)	Nominal (mm)	Comment
Shell	48	Plate	SA-516-70N	2.008	51	
Head	48	Ellipsoidal	SA-516-70N	1.961	49.81	

Pressure Safety Valve(s)

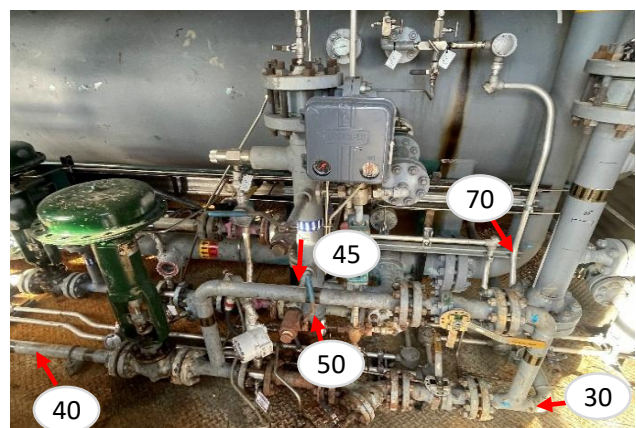
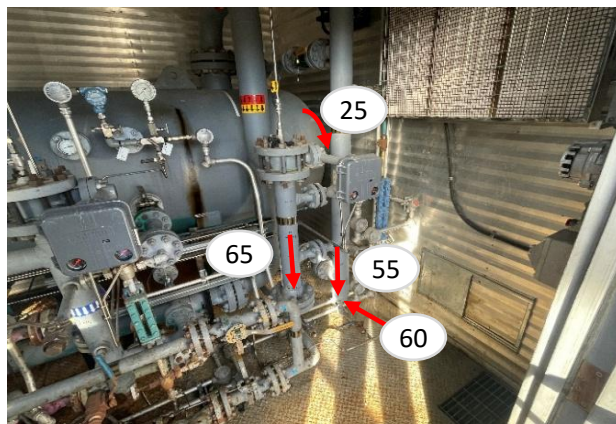
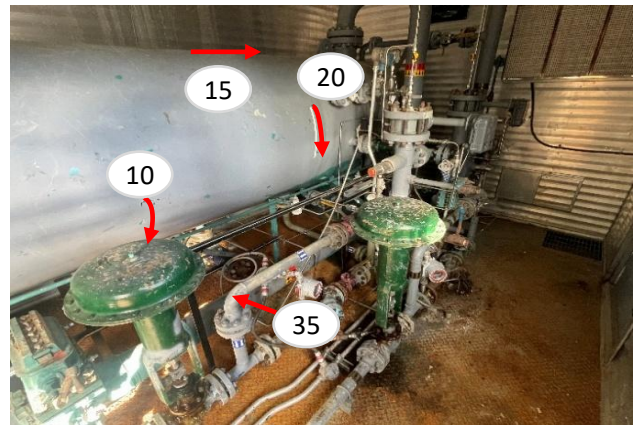
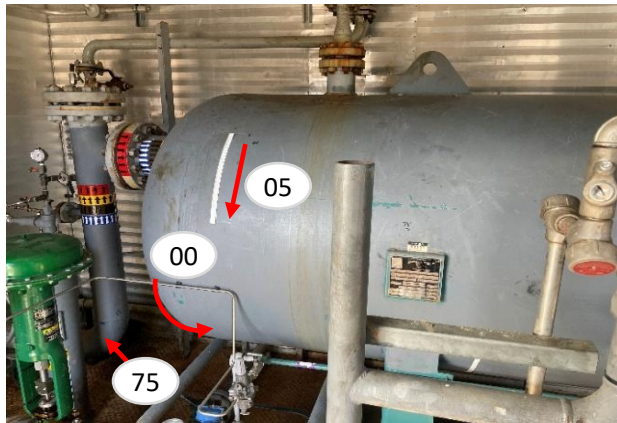
Zone:	Shell Side	
Equip #		
Location		
Set Press (PSI)		
Capacity	SCFM	
Set Press (KPA)		
Manufacturer		
S/N		
Model		
CRN		
Inlet Size (in)		
Outlet Size (in)	Locked Open?	
Inlet I/V		
Outlet I/V		
Service Co.		
Serv. Date		

Service Status and Conditions

Status:	Out of Service	Service:	Sour	Primary Contents - Shell:	Gas
		Concentration:		Primary Contents - Tube:	

Comments

STATIC DATA					
Date:	October 10, 2025	Equip. Name:	Inlet Separator		
Client/Owner:		Provincial #:	A0465357	Equip #:	N/A
		Manufacturer:	Larsen & D'amico	CRN:	P4707.213
		Year Built:	2001	S/N:	HS-10551
Facility:	Battery	RT (Joint Eff):	RT-1	CA:	0.12598 in
Notes:					





UT CORROSION SURVEY REPORT READINGS

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Date:	October 10, 2025	Equip Name:	Inlet Separator	Equip #:	N/A
		Prov #:	A0465357	S/N:	HS-10551

VESSEL TMLS																	
TML ID	Baseline		Previous		Current												
	01-Jan-01		01-Jan-01		10-Oct-25												
	LOW	AVG	LOW	AVG	LOW	AVG	SIZE (OD)	NOM	STCR (/YR)	LTCR (/YR)	Tmin	ST RL (YRS)	LT RL (YRS)	% Loss	Zone	Component / Type	
00	1.961	1.961	1.961	1.961	1.984	2.004	48.000	1.961	0.0000	0.0000	1.598	50.0	50.0	0.00%	Shell Side	Head	Ellipsoidal
05	2.008	2.008	2.008	2.008	2.044	2.072	48.000	2.008	0.0000	0.0000	1.655	50.0	50.0	0.00%	Shell Side	Shell	Plate
10	2.008	2.008	2.008	2.008	2.038	2.050	48.000	2.008	0.0000	0.0000	1.655	50.0	50.0	0.00%	Shell Side	Shell	Plate
15	2.008	2.008	2.008	2.008	2.033	2.061	48.000	2.008	0.0000	0.0000	1.655	50.0	50.0	0.00%	Shell Side	Shell	Plate
20	2.008	2.008	2.008	2.008	2.033	2.054	48.000	2.008	0.0000	0.0000	1.655	50.0	50.0	0.00%	Shell Side	Shell	Plate
25	1.961	1.961	1.961	1.961	2.002	2.016	48.000	1.961	0.0000	0.0000	1.598	50.0	50.0	0.00%	Shell Side	Head	Ellipsoidal

ATTACHMENT / PIPING / NOZZLE TMLS																		
TML ID	Baseline		Previous		Current													
	01-Jan-01		01-Jan-01		10-Oct-25													
	LOW	AVG	LOW	AVG	LOW	AVG	SIZE (OD)	NOM	STCR (/YR)	LTCR (/YR)	Tmin	ST RL (YRS)	LT RL (YRS)	% Loss	SCH	Zone	Shape	Type
30	0.343	0.343	0.343	0.343	0.319	0.336	2.375	0.343	0.0010	0.0010	0.083	50.0	50.0	7.00%	160	Shell Side	90°	Piping
35	0.343	0.343	0.343	0.343	0.250	0.334	2.375	0.343	0.0038	0.0038	0.083	44.5	44.5	27.11%	160	Shell Side	90°	Piping
40	0.343	0.343	0.343	0.343	0.334	0.351	2.375	0.343	0.0004	0.0004	0.083	50.0	50.0	2.62%	160	Shell Side	360°	Piping
45	0.337	0.337	0.337	0.337	0.441	0.464	4.5	0.337	0.0000	0.0000	0.157	50.0	50.0	0.00%	XS	Shell Side	Level Column	Shell
50	0.337	0.337	0.337	0.337	0.388	0.409	4.5	0.337	0.0000	0.0000	0.163	50.0	50.0	0.00%	XS	Shell Side	Level Column	Head / End Cap
55	0.337	0.337	0.337	0.337	0.330	0.356	4.5	0.337	0.0003	0.0003	0.157	50.0	50.0	2.08%	XS	Shell Side	Level Column	Shell
60	0.337	0.337	0.337	0.337	0.321	0.345	4.5	0.337	0.0006	0.0006	0.163	50.0	50.0	4.75%	XS	Shell Side	Level Column	Head / End Cap
65	0.337	0.337	0.337	0.337	0.346	0.361	4.5	0.337	0.0000	0.0000	0.157	50.0	50.0	0.00%	XS	Shell Side	Level Column	Shell
70	0.432	0.432	0.432	0.432	0.424	0.456	6.625	0.432	0.0003	0.0003	0.232	50.0	50.0	1.85%	XS	Shell Side	90°	Piping
75	0.432	0.432	0.432	0.432	0.451	0.481	6.625	0.432	0.0000	0.0000	0.232	50.0	50.0	0.00%	XS	Shell Side	90°	Piping

Comments:	TML 35: Corrosion noted.



UT CORROSION SURVEY REPORT READINGS

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*Disclaimer

Corrosion rates and remaining life calculations may not be accurate for any of the following reasons: i) year built and nominal used as baseline in calculations, ii) short time period between survey dates, iii) previous survey data was point readings instead of full scans. Client to perform follow up calculations as required.

Corrosion rates and remaining life calculations are not able to be performed in the following scenarios: i) baseline survey on new equipment, ii) when year built or in-service date is unknown, iii) T_{min} is not able to be calculated, iv) no previous inspection history is available to provide previous date and readings needed for calculations.

If requested by client, the T_{min} used for "Piping" Type is the greater of Pressure Design Thickness or API 574 – Table 7 Default Minimum Structural Thickness.

Notes:

*All readings are in: inches

*Piping T_{min} calculated: Pressure Design Calcs

*RL maximum is 50 years.

*% Wall loss is based on current low vs nominal.

*Baseline is based off nominal if no previous readings available and started in year equipment was fabricated, unless other information is available to prove in-service date.

*Previous readings taken from baseline if no past readings/survey data are available.

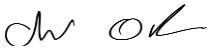
* Day/Month used for Baseline and Previous readings is arbitrary if no dates are provided.

* If no corrosion comments are made on piping, general low thickness was noted.

UT EQUIPMENT & PROCEDURES

Probe	Wave	Freq.	Size	Manuf.	Serial #
Dual	Long - 0°	5 Mhz	1/4"	Stresstel	21E0270J
UT Set		Serial #		Cal Date	Cal Block
DMS GO+		GOPLS20030006		03-Jan-2025	1" C/S Step
Procedure(s):		UT-01		AI-CR-01	

TECHNICIAN SIGN-OFF

Inspector:	Chad Oakes	CGSB Certifications:
		16755
Signature:		UT I / MT II
LEVEL II TECHNICIAN SIGN-OFF		
Name:	Curtis Graham	CGSB Certifications:
		6560
Signature:		UT II / MT II / PT II