

01-18-017-18W4M  
PROPANE DEOILER  
A2648336 516-V111  
REPORT # A#2648336\_GRADY INSPECTION LTD VE UT INSP\_2MAY2022

DATE 5/2/2022  
CLIENT CNRL

Phone:403-793-7697  
PO Box 1173, Brooks,  
Alberta, T1R 19B  
grady.rustebakke@gmail.com




RESULTS OF INSPECTION:


VE Inspection:  
Fit For Service. Vessel is in good visual condition.  
UT Inspection:  
No corrosion was found with the ultrasonic inspection.

PRESSURE EQUIPMENT							AB-506 INTERVAL						
DISTRICT	AB - OIL & NATURAL GAS				SHELL	TUBE		Refrigeration Vessels					
FACILITY	Armada Gas Plant				MAWT	151	F	GRADE	YEARS			REG	
A#	A2648336	YR	1990	MAWP	375		psi		Equip	PSV	UT		
SERIAL #			PSV				psi		3	10	5	10	X
CRN	E-5491.2		PSV CRN					INSPECTION TYPE					
EQUIP#			SERVICED					VE	VI	MT	PT	ET	UT
STATUS	OUT OF SERVICE			UNIT	Refridge			X					X
MANUFACTURER	PLAINS OIL LTD.						INSPECTION RESULT:						
DH LSD					L	Ft	OD	Ft	NCR-OPERATIONS				
REPAD	UNIQUE ID						NCR-REGULATORY/ADMIN						
								ACTION ITEM RAISED					
								REPAIR REQUIRED					
								SUITABLE FOR SERVICE				X	
								RECOMMENDATIONS:					
								VE Inspection: Install temperature gauge. Inspect PSVs after installation					

SIGN OFF		API 510	EXP.	IPV	EXP.	INSPECTOR - PRIMARY	INSPECTOR - REVIEW	CLIENT SIGN OFF
INSPECTED BY	ToddM Mckenzie	97445	12/31/2023	001336	7/13/2026			
REVIEWED BY	Ashley Rustebakke	60285	7/31/2024	966	6/16/2026			

<b>Ultrasonic Report</b>		<b>Date</b>	3/30/2022	Phone: 403-793-7697 PO Box 1173, Brooks, Alberta, T1R 19B grady.rustebakke@gmail.com	
<b>LSD</b>	01-18-017-18W4M	<b>Facility</b>	Armada Gas Plant		
<b>DH-LSD</b>		<b>Field</b>	Red Deer District		
<b>Jurisdiction #</b> A2648336					
<b>Serial #</b>					
<b>Ultrasonic Report #:</b> A#2648336_GRADY INSPECTION LTD VE UT INSP_2MAY2022					

ULTRASONIC SET			COMPONENT DETAILS				CODE					
EQUIPMENT	CALIBRATION DUE	SERIAL NUMBER	MATERIAL GRADE	SURFACE PREP	TEMP	THICKNESS	CALIBRATION	EVALUATION				
EPOCH 600	2/25/2023	120388107	Carbon Steel	Painted	0C		ASME V	ASME VIII Div 1				
CALIBRATION BLOCK		PROBE						COUPLING		METHOD		
TYPE	SERIAL#	REF dB	SCAN dB	FREQ.	SIZE.	ANGLE	SERIAL #	TYPE	COUPLANT	CABLE	TECHNIQUE	PROCEDURE
10 Step Metric	14-2065	60	66	5 Mhz	0.25 "	0	15B00DU3	Dual	UT-X	6' BNC to Micro	LW Dual	UT01T1R4
SCOPE		As requested by Dustin Rumohr an ultrasonic inspection was completed on the PROPANE DEOILER										
LIMITATIONS		None.										
RESULTS		No corrosion was found with the ultrasonic inspection.										

<b>External Inspection - (Vessel)</b>		<b>Date</b>	3/30/2022	Phone:403-793-7697 PO Box 1173, Brooks, Alberta, T1R 19B grady.rustebakke@gmail.com	
<b>LSD</b>	01-18-017-18W4M	<b>Facility</b>	Armada Gas Plant		
<b>DH-LSD</b>		<b>Field</b>	Red Deer District		
<b>Jurisdiction #</b>		A2648336			

<b>Fit For Service:</b>	Fit For Service.
<b>Inspection Summary:</b>	Vessel is in good visual condition.
<b>Recommendations:</b>	Install temperature gauge. Inspect PSVs after installation

External Inspection Items	G/F/P	Comments
General Condition:	Good	No notable mechanical damage, areas of wear/fretting, distortion, misalignment, or visible weld defects.
External Coating:	Good	Vessel is in good visual condition. Painted with approximately 10-15% flaking paint. Under coat is in good condition.
Insulation / Cladding:	N/A	Non insulated vessel
Nozzles, Piping and Connections:	Good	Nozzles and piping in good visual condition
Buried Vessels:	N/A	Above Ground
Ladders, Platforms and Walkways:	Good	Building secure
Foundations and Supports:	Good	Welds secure
Shell:.	Good	No notable mechanical damage, areas of wear/fretting, distortion, misalignment or visible weld defects.
Saddles / Skirts:	Good	Skirt is in good visual condition
Grounding:	Good	Ground Wire is secure
Gauges and Instrumentation:	Fair	<div>Shell Gauge ( 0 - 500 @ psi ) Temp Gauge ( - @ )</div> <div>Pressure gauge needle is broken. Gauge is clear, colorless and correct for the MAWP. No temperature gauge found</div>
Pressure Protection:	N/A	Out for service at time of inspection
NDE Summary:	Good	No corrosion was found with the ultrasonic inspection.
Manway Davits/Quick Closure:	N/A	No Manway
Nameplate:	Good	Nameplate is legible and readily accessible and securely affixed
Code Variance:		

**Overview Photo**

**LSD** 01-18-017-18W4M  
**Jur #** A2648336  
**Serial #** 516-V111

**Date**

5/2/2022

**FACILITY**

Armada Gas Plant

**FIELD**

Red Deer District

Phone:403-793-7697

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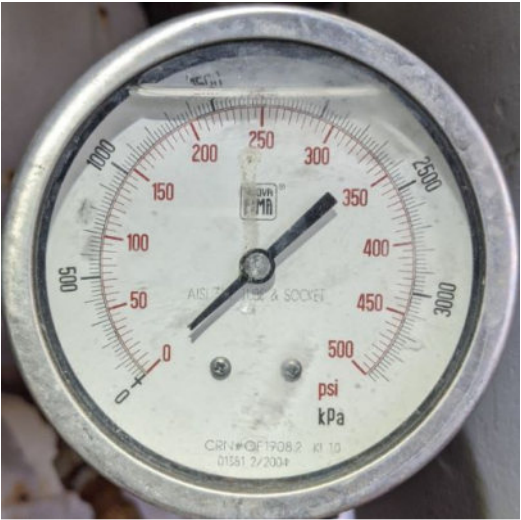
**GRADY**  
INSPECTION LTD



**Nameplate**



**Overview**



**Pressure Gauge**



**Liquid Level**

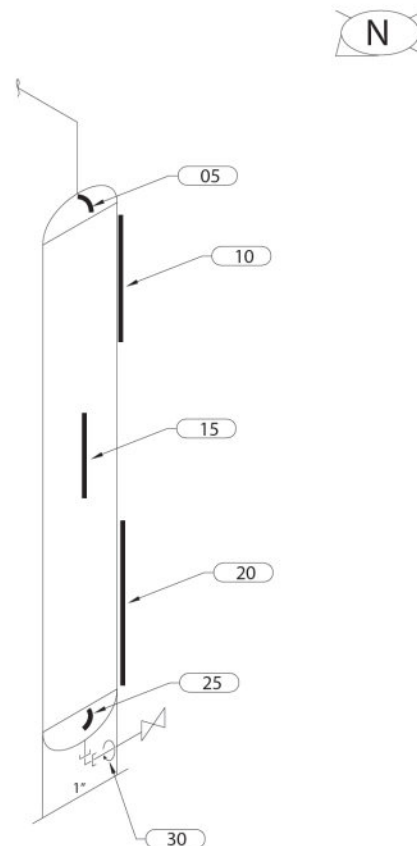
**GRADY**  
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**Ser #**

Ser #		Inspection Dates and Thickness Values (mm)														%	Corrosion Rates			Rem Life	Rem Life	Next	Insp	Int	Inspection
CML#	Nom	CA/Tol	SFlag	STmin	PTmin	> Tmin	Comp	Type	Pipe Size	Code	MOP	Baseline	3rd Last	2nd Last	Last	# of Insp	Nom Wall Loss	ST	LTn	LTi	Date	(yrs)	Insp Date	(yrs)	Comments



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FACILITY Armada Gas Plant

FIELD Red Deer District

DWG 1

Location:

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Inspection Dates and Thickness Values (mm)

CML#	Nom	CA/Tol	SFlag	STmin	PTmin	> Tmin	Comp Type	Pipe Size	Code	MOP	Baseline			3rd Last		2nd Last		Last		# of Insp	Nom Wall Loss	Corrosion Rates			Rem Life Date	Rem Life (yrs)	Next Insp Date	Insp Int (yrs)	Inspection Comments
											Date	Min Ave		Date	Min Ave	Date	Min Ave	Date	Min Ave			ST	LTn	LTi					
05	8.0	7.9	-0.3	-0.3	-0.3		Head		UG32HeadElli	376	11/28/17	8.8	9.7				5/2/22	8.9	9.2	2					4/29/2032	10.0			
10	9.3	9.2	-0.6	-0.3	-0.3		Shell		UG27ShellInt	376	11/28/17	9.3	9.8				5/2/22	9.4	9.7	2					4/29/2032	10.0			
15	9.3	9.2	-0.6	-0.3	-0.3		Shell		UG27ShellInt	376	11/28/17	9.1	10.1				5/2/22	9.4	9.7	2					4/29/2032	10.0			
20	9.3	9.2	-0.6	-0.3	-0.3		Shell		UG27ShellInt	376	11/28/17	9.3	9.6				5/2/22	9.2	9.6	2		0.02			4/29/2032	10.0			
25	8.0	7.9	-0.3	-0.3	-0.3		Head		UG32HeadElli	376	11/28/17	8.9	9.5				5/2/22	8.9	9.5	2					4/29/2032	10.0			
30	6.4	5.6	2.0	1.8	0.3	1.8	Pipe	1" -- 160--(6.4mm)	API570	376	5/2/22	6.3	6.6						1	2%		0.00		4/9/3477		4/29/2032	10.0		