

04-01-028-18W4M

CONTACTOR

A0429714 V-2635

REPORT # A#0429714\_GRADY INSPECTION LTD VE UT INSP\_MAY2023

DATE

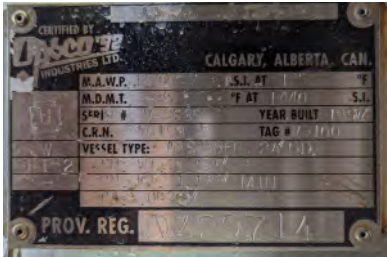
2023-05-26

CLIENT

CNRL

403-793-7697

Po Box 1173 Brooks Alberta T1R 1B9  
grady.rustebakke@gmail.com



PRESSURE EQUIPMENT				
DISTRICT	AB - OIL & NATURAL GAS		SHELL	TUBE
FACILITY	DRUMHELLER EAST 1938	MAWT	125	F
A#	A0429714	YR	1997	MAWP 1440 psi
SERIAL #	V-2635	PSV	1440	psi
CRN	N6193.2	PSV CRN	0G8841.5C	
EQUIP#		SERVICED	2020-04-01	
STATUS	IN SERVICE	UNIT	Dehy	
MANUFACTURER	OPSCO '92 INDUSTRIES LTD.			
DH LSD		L	Ft OD	2 Ft
REPAD	UNIQUE ID	SWEET/SOUR	Sweet	

AB-506 INTERVAL				
Upstream pressure vessels not				
GRADE	YEARS			REG
	Equip	PSV	UT	
3	10	6	10	X

INSPECTION TYPE					
VE	VI	MT	PT	ET	UT
X					X

**INSPECTION RESULT:**

NCR-OPERATIONS	
NCR-REGULATORY/ADMIN	
ACTION ITEM RAISED	
DEFERRED REPAIR	
REPAIR REQUIRED	
SUITABLE FOR SERVICE	X

**RECOMMENDATIONS:**

VE Inspection:  
Ensure PSV internals remain clean to maintain function

**RESULTS OF INSPECTION:**

VE Inspection:  
Fit For Service. Psv discharge could allow ingress of precipitation and debris  
UT Inspection:  
No corrosion was found with the ultrasonic inspection.

REPORT NOTES PSV DISC COULD ALLOW INGRESS OF PRECIP/DEBRIS - HOWEVER PHOTO SHOWS DISC PIPING OFF PSV OUTLET. NFAR.

SIGN OFF	API 510	EXP.	IPV	EXP.	INSPECTOR - PRIMARY	INSPECTOR - REVIEW	CLIENT SIGN OFF
INSPECTED BY	ToddM Mckenzie	97445	2023-12-31	001336	2026-07-13		
REVIEWED BY	Ashley Rustebakke	60285	2024-07-31	966	2026-06-16		

**Ultrasonic Report**  
**LSD** 04-01-028-18W4M  
**DH-LSD**  
**Jurisdiction #** A0429714  
**Serial #** V-2635

<b>Date</b>	2023-05-26
<b>Facility</b>	DRUMHELLER EAST 1938
<b>Field</b>	DRUMHELLER EAST 1938


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**Ultrasonic Report #:** A#0429714\_GRADY INSPECTION LTD VE UT INSP\_MAY2023

ULTRASONIC SET			COMPONENT DETAILS				CODE					
EQUIPMENT	CALIBRATION DUE	SERIAL NUMBER	MATERIAL GRADE	SURFACE PREP	TEMP	THICKNESS	CALIBRATION	EVALUATION				
ECHO 9	2024-04-16	05067101	Carbon Steel	Painted	10C	various	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' Lemo to Micro	LW Dual	UT03T1R1
<b>SCOPE</b>	As requested by Dustin Rumohr an ultrasonic inspection was completed on the contactor											
<b>LIMITATIONS</b>	Limitation on upper trays. no access without manlift. Unknown material. No corrosion found. No values assumed for Tmin											
<b>RESULTS</b>	No corrosion was found with the ultrasonic inspection.											

<b>Technician Name</b>	<b>Certification Body</b>	<b>Certification #</b>	<b>Expiry</b>	<b>Technician Signature</b>			
3 ToddM	CGSB	9234	2025-12-15				
				<b>Client Name</b>	Dustin Rumohr	<b>Company Name</b>	CNRL
				<b>Client Signature</b>			

**External Inspection - (Vessel)**  
**LSD** 04-01-028-18W4M  
**DH-LSD**  
**Jurisdiction #** A0429714

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**Fit For Service:** Fit For Service.

**Inspection Summary:** Psv discharge could allow ingress of precipitation and debris

**Recommendations:** Ensure PSV internals remain clean to maintain function

External Inspection Items	G/F/P	Comments
<b>General Condition:</b>	Good	No notable external corrosion, mechanical damage, areas of wear/fretting, distortion, misalignment, current leaks, or visible weld defects.
<b>External Coating:</b>	Good	Paint is intact and well adhered to the vessel.
<b>Insulation / Cladding:</b>	N/A	Non insulated vessel
<b>Nozzles, Piping and Connections:</b>	Good	Nozzles and piping in good visual condition
<b>Buried Vessels:</b>	N/A	Above Ground
<b>Ladders, Platforms and Walkways:</b>	N/A	No attached ladder or platform
<b>Foundations and Supports:</b>	Good	Anchor bolts fully engaged Building is secure and pilings
<b>Shell:</b>	Good	No notable external corrosion, mechanical damage, areas of wear/fretting, distortion, misalignment, current leaks, or visible weld defects.
<b>Saddles / Skirts:</b>	Good	Skirt is in good visual condition.
<b>Grounding:</b>	Good	Ground Wire is secure Grounding is achieved through the skid.
<b>Gauges and Instrumentation:</b>	Good	<p><b>Shell Gauge</b> ( 0 - 2000 @ 650 psi ) <b>Temp Gauge</b> ( 50 - 500 @ 60 F )</p> <p>Direct pressure gauge on vessel does not appear to function. Stated gauge is mounted on gas leg.            Gauge is clear, colorless and correct for the MAWT.            Gauge is clear, colorless and correct for the MAWP.</p>
<b>Pressure Protection:</b>	Good	PSV discharge could allow ingress of precipitation and debris
<b>NDE Summary:</b>	Good	No corrosion was found with the ultrasonic inspection.
<b>Manway Davits/Quick Closure:</b>	N/A	No Manway.
<b>Nameplate:</b>	Good	Nameplate is legible and readily accessible and securely affixed
<b>Code Variance:</b>		

**PSV Data**

**LSD** 04-01-028-18W4M

**FACILITY** DRUMHELLER EAST 1938

**FIELD** DRUMHELLER EAST 1938

Phone:403-793-7697

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Alberta, T1R 19B  
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**ASSOCIATED PRESSURE EQUIPMENT DATA**

**PV JUR/SER** A0429714 V-2635

**SHELL** **TUBE**

**MAWP** 1440 psi

**PSV FIT FOR SERVICE STATEMENT**

Fit For Service.

**PSV STATIC DATA**

**MODEL** 91-17D51T63E1

**SERIAL** 1546757

**MANUFACTURER** MERCER VALVE CO

**TAG** 47017B

**CRN** 0G8841.5CR1

**SEAL** Y

**SET PRES** 1440 psi

**CAPACITY** 2925 SCFM

**SERVICE DATE** 2020-04-01

**SERVICE COMPANY** Unified Valve Group

**T/F** **UV** **NB**

T UV NB

**SIZE** **B VALVE** **CARSEAL**

**INLET** 1 N

**OUTLET** 1 N

**PSV COMMENTS**

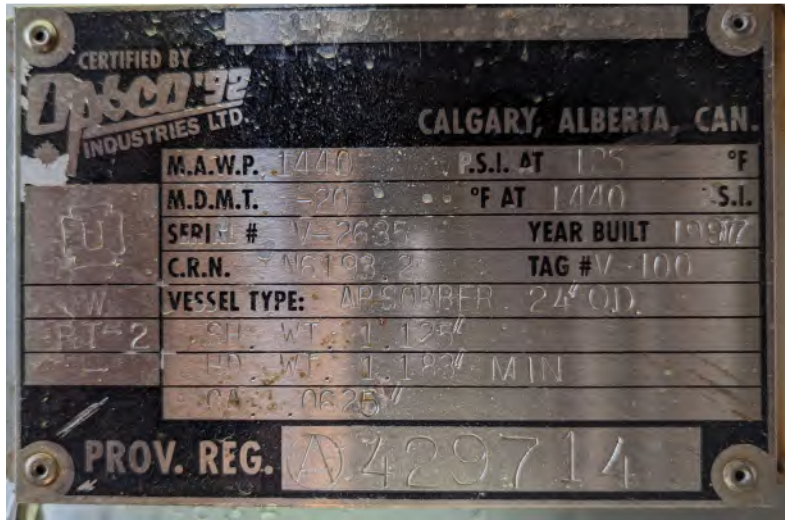
**Overview Photo**

**LSD** 04-01-028-18W4M  
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**Nameplate**



**Overview**



**Overview**



**Foundation**

**Overview Photo**

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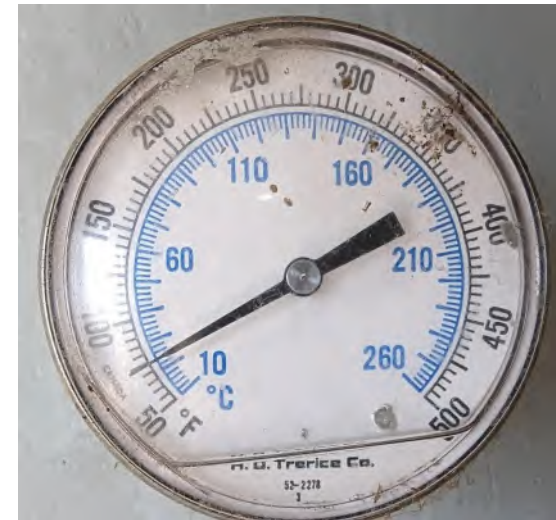
**Inside Skirt**



**Pressure Gauge**



**Pressure Gauge**



**Temperature Gauge**

**Overview Photo**

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**Sight glass**



**LSD Sign**





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**DH-LSD** **FIELD** DRUMHELLER EAST 1938  
**Jur #** A0429714 **DWG** 1 **Location:**  
**Ser #** V-2635

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CML#	Nom	CA/Tol	SFlag	STmin	PTmin	> Tmin	Comp Type	Pipe Size	Code	MOP	Inspection Dates and Thickness Values (mm)				Last Date	Last Min Ave	# of Insp	Nom Wall Loss %	Corrosion Rates			Rem Life Date	Rem Life (yrs)	Next Insp Date	Insp Int (yrs)	Inspection Comments
											Baseline Date	Baseline Min Ave	3rd Last Date	3rd Last Min Ave					2nd Last Date	2nd Last Min Ave	ST					
05	28.6	28.5					Shell		UG27ShellInt	1440	23/5/26	28.8	29.0			1							2033-05-23	10.0		
10	28.6	28.5					Shell		UG27ShellInt	1440	23/5/26	28.9	29.0			1							2033-05-23	10.0		
15	28.6	28.5					Shell		UG27ShellInt	1440	23/5/26	29.0	29.2			1							2033-05-23	10.0		
20	30.0	30.0					Head		UG32HeadEll	1440	23/5/26	30.9	32.0			1							2033-05-23	10.0		
25	8.6			5.3			SNozz	4" XS 80--(8.6mm)	UG45Nozzle	1440	23/5/26	8.3	8.7			1		0.01					2033-05-23	10.0		
30	5.1			3.2			HNozz	1.5" XS 80--(5.1mm)	UG45Nozzle	1440	23/5/26	10.0	10.3			1							2033-05-23	10.0		
35	6.0	5.3	3.1	2.3	4.1	4.1	Elbow	4" STD 40--(6mm)	API570	1440	23/5/26	5.8	6.1			1	3%	0.01		2245-10-24		2033-05-23	10.0			
40	6.0	5.3	3.1	2.3	4.1	4.1	Elbow	4" STD 40--(6mm)	API570	1440	23/5/26	8.2	8.6			1	-37%					2033-05-23	10.0			
45	28.6	28.5	-918.1				Shell		UG27ShellInt	1440	23/5/26	28.5	28.7			1		0.00				2033-05-23	10.0			
50	28.6	28.5	-918.1				Shell		UG27ShellInt	1440	23/5/26	28.6	28.8			1						2033-05-23	10.0			