Canadian Natural Resources Limited GENERAL PRESSURE VESSEL INFORMATION Job # 05.01610										
District: Fort St	Skid No.									
Facility: Flat Ro	ck Compressor Station	Location (LSD): 5-2-85-17 W6M								
•	uipment Number: Glycol	Contactor								
Orientation: Vert	-									
				D I - 4 I						
Status: In Se	ervice	PRESSURE VESS	SEL N	Regulatory I						
"A" or "G	" or "S" (Sask.) or BC R			THE DAY		CRN Num	ber:			
	NI 2070 212									
Vessel serial num	N-3078.213 Size: 20 in x 25 ft									
Shell thickness:	Shell material: SA 516 70N									
Head thickness:				Head material: SA 516 70N						
Tube wall thickne				Tube material:						
Tube diameter:	css.			Tube length:						
Channel thicknes	· · ·			<u> </u>						
Chainlei uncknes				Channel material:						
Design pressure	Shell: 1440 PSI			0		Shell:				
Design pressure	Tules	Tylege			Operating pressure		Tubes:			
	Tubes:	Tubes:				Tubes:				
	Shell: 100°F	Shell: 100°F					Shell:			
Design Temp.					p.					
Tubes:				Tubes:						
X-ray: RT-1	ACMENTI D' 1			Heat treatment: HT						
	: ASME VIII, Div 1			Coated: No						
	arsen & D'Amico			Year built: 1992						
Corrosion allowa	Manway: No									
	P	RESSURE SAFETY	VALV	E NAMEPLATI	E DATA			T		
PSV Tag #	Manufacture Model #		Serial # Set Pre		essure	Capacity	Service			
			(PS		SI)	(scfm)	Date			
No Access										
140 / Iccess										
	SER	VICE CONDITIONS	S-INDI	CATE ALL TH	AT APPL	Y				
Sweet							Gas X			
Amine	LPG				densate		Air			
			Conc	ıcıısaıc		All		Glycol X		
Other (Describe):	:									
Reports reviewed and Mechanical Inte	in conjunction with Chief Insp	formation is important!	Use back	•	ection Progra	Oate	or sketch if requin	red.		

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External Inspection Items	G	F	P	N/A	Comments
				_ ,,	
Insulation Verify sealed around manways,					No Insulation present.
nozzles, no damage present, and there is no	X				
egress of moisture.					
External Condition Assess paint condition,					Paint is in good overall condition – no exposed metal
areas peeling, record any corrosion, damage,	X				
etc (record location, size and depth of					
corrosion or damage)					
Leakage Record any leakage at flanges,	v				No leaking detected.
threaded joints, weep holes on repads, etc.	X				
Saddle/skirt Assess condition of paint, fire					Skirt is in good condition – no buckles or distortion.
protection, and concrete. Look for corrosion,					Paint intact – with little to no corrosion.
buckling, dents, etc. Look at vessel surface	X				Vessel grounded through the skid package.
area near supports. Verify no signs of leakage					No signs of leakage.
at attachment to vessel and attachment welds					
are acceptable. Ground wire attached?					
Anchor Bolts Hammer tap to ensure secure.					Firmly secured.
Look for cracking in treads or signs of	X				No signs of deformation.
deformation.					Two signs of deformation.
Concrete foundation Check for cracks,					None.
spalling, etc.				X	None.
Ladder / Platform Describe general					None.
				X	None.
condition, ensure support is secure to vessel,				Λ	
and describe any hazards.					A11 (1
Nozzle Assess paint, look for leakage, and					All threads engaged.
ensure stud threads are fully engaged. Record	X				No deflection – no leaks.
any damage, deflection, etc. Are nozzles					No stud threads, no gussets.
gusseted?					Paint is in good overall condition.
Gauges Ensure gauges are visible, working,	X				Temperature Gauge (-40-150°F) Suitable for overall range.
no leakage, and suitable for range of MAWP/	1				Pressure Gauge 0-1500 PSI Suitable for MAWP
Temp.					
External Piping Ensure pipe is well					Well supported – no deflection – all clamps and shoes in place.
supported. All clamps, supports, shoes, etc. in		X			Piping is painted and is in good overall condition.
place. Look for evidence of structural		Λ			
overload, deflection, etc. Paint condition,					
external corrosion?					
Valving Ensure no leaks are visible. Valves					Well supported – no leaks.
are properly supported and chained if	X				**
necessary.					
PSV Ensure PSV is set at pressure at or below					No Access
that of vessel. Discharge piping is same size as					
inlet to valve and is properly supported and				X	
routed. Ensure no block valves between PSV				1	
and vessel or if there are they are locked open.					
NDE methods Was UT/ MPI done on vessel	1				Ultrasonic corrosion survey carried out, no metal thickness
(MI coordinator to review results)	X				detected below nominal minus corrosion allowance.
(1VII COOLUMNATOR TO LEVIEW LESUITS)					detected below nominal inmus corrosion anowance.

Recommendations or corrective actions: Vessel is Fit for Service or describe corrective actions required) (MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented)

Recommendations: 1) No recommendations

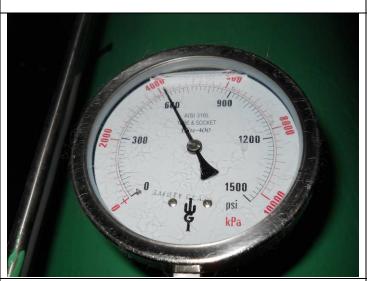
Summary: This vessel is in good condition, visual external and ultrasonic thickness inspection carried out – no metal thickness detected below nominal minus corrosion allowance.

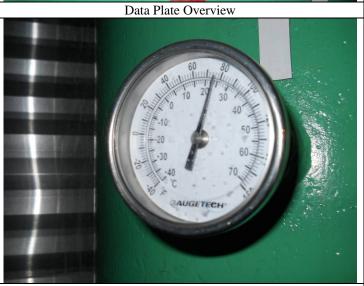
Long term corrosion rate based on greatest thickness loss – no corrosion rate to assess.

Vessel is fit for service.

Inspected By: Dellas Weidman Date: Feb 04, 2011







Pressure gauge

Temperature gauge





Roof seal Overview





Overview Overview