		Canadian Nat GENERAL PRESSU		esources Limited ESSEL INFORM			Job #	# 10.112195	
District: Fort St. Jo	Skid No.								
Facility: Jedney	Location (LSD): A-62-E-94-G-8								
				Location (LSD)	. A-02-11-5	4-0-0			
^ * *	oment Number: Flare	Knockout Drum							
Orientation: Horizo	ontal			I					
Status: In Serv	vice			Regulatory In					
		PRESSURE VESS	SEL N	AMEPLATE DA					
"A" or "G" o	or "S" (Sask.) or BC R	egistration Number.			C	RN Nun	nber:		
	C35076								
Vessel serial number				Size: 72 in. X 12 ft.					
Shell thickness:			Shell material:						
Head thickness:			Head material:						
Tube wall thickness	5:		Tube material:						
Tube diameter:			Tube length:						
Channel thickness:	-	Channel material:							
Design pressure	Shell: 14.7 PSI		Operating pressure		Shell: $0 - 60 \text{ PSI}$				
	Tubes:					Tubes:			
Design Temp.	Shell: 100 Deg F.		Operating temperature		Shell:				
Design remp.		operating temp	eruture	Tubes:					
X-ray: Nil				Heat treatment: Nil					
Code parameters: A	SME VIII, Div 1	Coated: yes							
Manufacturer: Torn		Year built:1998							
Corrosion allowanc		Manway: Yes							
	PI	RESSURE SAFETY	VALV	E NAME PLATI	E DATA				
PSV Tag #	Manufacture	Model #		Serial # Set Pre		essure	Capacity	Service	
			(kP		a)	(scfm)	Date		
				(hi					
CRN #	Service By	Block Valve		Location	Siz	ze	Code Stamp		
	CFD	VICE CONDITIONS	S-INDI	CATE ALL TH	ат аррі і	V			
									
Sweet Sour X				Oil			X	Water	
Amine LPG Cor				Condensate				Glycol	
Other (Describe):									
Inspection Interva				_PSV Service Int					
· ·	conjunction with Chief Insp	pector following guidelines	s of CNR	L's Owner-User Inspe	ction Progra	n)			
Reports reviewed and ad Mechanical Integr					D	ate			

Fill out all forms as completely as possible. <u>All information</u> is important! Use back of sheets to record additional information or sketch if required. Copy of report to be filed by MIC at site, and copy sent to Chief Inspector

External Inspection Items	G	F	Р	N/A	Comments
- - - - - - - - -		_	_		
Insulation Verify sealed around manways,					No damage present, no egress of moisture.
nozzles, no damage present, and there is no	X				Sealed around nozzles and saddle supports
egress of moisture.					All straps in place and secure.
External Condition Assess paint condition,					Doint in good condition , no ownogod motol
areas peeling, record any corrosion, damage, etc (record location, size and depth of	Х				Paint in good condition – no exposed metal.
corrosion or damage)					
Leakage Record any leakage at flanges,					No leaks observed.
threaded joints, weep holes on repads, etc.	Х				No leaks observed.
Saddle/skirt Assess condition of paint, fire					Saddle: bolted directly to skid frame.
protection, concrete. Look for corrosion,					No buckling or dents.
buckling, dents, etc. Look at vessel surface					No corrosion at attachment welds to vessel
area near supports. Verify no signs of leakage	Х				Ground wire attached to vessel.
at attachment to vessel and attachment welds					Ground with attached to vessel.
are acceptable. Ground wire attached?					
Anchor Bolts Hammer tap to ensure secure.					
Look for cracking in treads or signs of	X				Securely fastened – no deformation.
deformation.					Securery fusicileur no deformation
Concrete foundation Check for cracks,	1				
spalling, etc.				Х	
Ladder / Platform Describe general	1				
condition, ensure support is secure to vessel,				X	
describe any hazards.					
Nozzle Assess paint, look for leakage, and					Flanged and threaded nozzle joints are fully engaged.
ensure stud threads are fully engaged. Record					No leaks, no damage or deflection.
any damage, deflection, etc. Are nozzles	X				Nozzles are not gusseted.
gusseted?					
Gauges Ensure gauges are visible, working,					Clear and clean, no leakage.
no leakage, and suitable for range of MAWP/	X				Suitable for operational range of vessel.
Temp.					Pressure gauge 0 – 60 PSI.
External Piping Ensure pipe is well					Well supported – all clamps and supports are in place.
supported. All clamps, supports, shoes, etc. in					No structural overloads or deflection.
place. Look for evidence of structural	Χ				Piping insulated – no open or torn sections.
overload, deflection, etc. Paint condition,					
external corrosion?					
Valving Ensure no leaks are visible. Valves	1				
are properly supported and chained if	Х				No leaks are visible- valves are supported properly.
necessary.					
PSV Ensure PSV is set at pressure at or below				X	Vent to flare.
that of vessel.	<u> </u>				
NDE methods Was UT/ MPI done on vessel				X	
(MI coordinator to review results)	<u> </u>				
Other					
Recommendations or corrective actions : Ve	essel	l is I	Fit f	or Se	rvice or describe corrective actions required)
					f Inspector where necessary, and get remedial action
mplemented)					
Recommendations: No recommendations.					

Recommendations: No recommendations.

Summary:

Vessel is fit for service.

Internal Inspection Items	G	F	Р	N/A	Comments
Coating Assess coating. Describe area coated,	Х				Coating in man way peeling and outlet nozzle.
general condition of coating.					Corrosion on exposed metal.
Anodes. How many, type, condition. %				Х	No anodes in vessel
consumed. Are they being replaced?					
Internal Piping Is there any? If so, carbon or					Heat medium coil in place and clamped securely.
stainless steel. Describe condition, dents,	Х				No deflections or dents.
corrosion, erosion, etc. Ensure supports are					Coating blistered and peeling from coil – corrosion on
secure and any bolts are suitable for future					exposed metal.
use.					
Trays How many? Type of material. Are					
valves in place. Check for erosion/ corrosion;				Х	No trays
wear on tray valve legs. Cleanliness?					
Baffles, deflector plates, etc. If present,					
describe condition. Look closely at welds	Х				Inlet deflector plate welded to head – no mechanical
attached to vessel wall.					damage. No erosion or corrosion- coating in place.
Top Head Note all corrosion, erosion or					East head – No mechanical damage or peeling coating.
mechanical damage. (If vessel is horizontal	Х				
identify direction of this head)					
Bottom Head Note all corrosion, erosion or					West head – heat medium coil piping welded to head- no
mechanical damage. (If vessel is horizontal	Х				corrosion or service related damages.
identify direction of this head)					
Shell Sections Record number of shell					Shell in good condition –No mechanical damage.
sections. Record location, size and depth of all					Man way coating peeling to 50% of area – corrosion pitting
erosion, corrosion or mechanical damage.	Χ				on exposed metal – pit depth of .005".
Describe general condition. If any corrosion					Level floats operational.
greater than corrosion allowance is observed					Nozzles are clear- outlet nozzle peeling to 80% of area-
in either shell or head, discuss with Chief					corrosion on exposed metal.
Inspector before closing vessel.					*
Demister pad Is it in place? Is it clean? If any				Х	None.
corrosion is apparent in vessel, lift pad and					
check top head for corrosion.					
Welds Inspect all welds, including attachment					Over all welds are in good condition – head to shell weld
welds. Record all service-related damages and	Х				has no corrosion – no erosion or pitting.
if there is any discuss with Chief Inspector					Attachment welds are in good condition no corrosion or
before closing.					erosion.
Repairs Required. If yes, ensure procedure					Sandblast and re-coat heat medium piping, nozzle and man
and copy of AB 40 is on file, and one sent to	Х				way.
local ABSA, and Chief Inspector					
NDE Was any NDE done. (MI coordinator to					
review results)				Х	

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: Sandblast and recoat outlet nozzle, man way and heat medium coil piping.

Summary: Vessel in good overall condition, Visual external and internal inspection performed on vessel. No visual defects observed.

Vessel is fit for service.

Photo Table



