

HORIZONTAL VESSEL - GENERAL INSPECTION FORM				Job# 105.01033		
District: Grande Prairie			Skid No.			
Facility: Clear Hills Gas Plant			Location (LSD): 16-11-88-13 W6M			
Vessel Name & Equipment Number: Stabilizer Feed Heater						
Orientation: Horizontal						
Status: In Service			Regulatory Inspection			
PRESSURE VESSEL NAMEPLATE DATA						
"A" or "G" or "S" (Sask.) or BC Registration Number. A 3129762			CRN Number N-0113.2			
Vessel serial number: 95-C3278-3004			Size: 52.0 inch dia. X 15.0 feet length			
Shell thickness: Nil			Shell material: Nil			
Head thickness: Nil			Head material: Nil			
Tube wall thickness: #1 Coil- 6.0 mm // #2 Coil- 5.1 mm			Tube material: SA 106B			
Tube diameter: #1 Coil – 4.0 inch // #2 Coil – 1.5 inch			Tube length:			
Channel thickness:			Channel material:			
MAWP	Shell:		Operating pressure	Shell:		
	Tubes: 2068 KPa			Tubes:		
Design Temp.	Shell:		Operating temperature	Shell:		
	Tubes: 316 C			Tubes:		
X-ray: #1 Coil – RT-1 // #2 Coil – RT-3			Heat treatment: Yes			
Code parameters: ASME VIII Div 1			Joint efficiency (if on nameplate):			
Manufacturer: Maloney Steel			Year built: 1995			
Corrosion allowance: 3.2 mm			Manway: Yes			
PRESSURE SAFETY VALVE NAMEPLATE DATA						
Tag Number(s)	Set Pressure PSI	CRN #	Manufacturer /Model / Serial# and Code Stamp	Capacity (Scfm)	Size	Set Date
Out for Service						
SERVICE CONDITIONS-INDICATE ALL THAT APPLY						
Sweet	Sour X		Oil	Gas X		Water X
Amine	LPG		Condensate X	Air		Glycol X
Other (Describe):						

Inspection Interval _____ PSV Service Interval _____

(Determined by MIC in conjunction with Chief Inspector following guidelines of CNRLs Canada Owner-User Inspection Program)

Reports reviewed and accepted by:

Mechanical Integrity Coordinator _____ Date _____

Fill out all forms as completely as possible. All information is important! Use back of sheets to record additional information or sketch if required.

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Internal Inspection Items	G	F	P	N/A	Comments
Coating Assess coating. Describe area coated, general condition of coating.				X	Not coated
Anodes. How many, type, condition. % consumed. Are they being replaced?				X	
Internal Piping Is there any? If so, carbon or stainless steel. Describe condition, dents, corrosion, erosion, etc. Ensure supports are secure and any bolts are suitable for future use.	X				Process Coil in good condition. No signs of pitting or corrosion. No mechanical damage noted. All nozzles are in good condition. Welds appear sound. No signs of erosion or corrosion. No obstructions. No signs of damage or distortion.
Trays How many? Type of material. Are valves in place? Check for erosion/ corrosion; wear on tray valve legs. Cleanliness?				X	Fire tube supports and gas coil sled in place. No corrosion or erosion. No damage or distortion.
Baffles, deflector plates, etc. If present, describe condition. Look closely at welds attached to vessel wall.				X	
West Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)	X				Head is in good condition. No signs of erosion/corrosion. No pitting. No damage or distortion.
East Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)	X				Gasket seating face is in good condition. No pitting or corrosion. No mechanical damage noted.
Shell Sections Record number of shell sections. Record location, size and depth of all erosion, corrosion or mechanical damage. Describe general condition. If any corrosion greater than corrosion allowance is observed in either shell or head, discuss with Chief Inspector before closing vessel.	X				Shell is in good condition. No erosion or corrosion. No pitting. No signs of damage or distortion.
Demister pad Is it in place? Is it clean? If any corrosion is apparent in vessel, lift pad and check top head for corrosion.	X				Demister Pad is clean. No signs of damage.
Welds Inspect all welds, including attachment welds. Record all service-related damages and if there is any discuss with Chief Inspector before closing.	x				No signs of erosion or corrosion. No pitting.
Repairs Required. If yes, ensure procedure and copy of AB 40 is on file, and one sent to local ABSA, and Chief Inspector				X	
NDE Was any NDE done. (MI coordinator to review results)				X	
<p>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) Other Observations: None. Recommendations: None at this time.</p> <p>Summary: This vessel is in good overall condition, visual internal inspection carried out.</p> <p>Vessel is fit for service</p>					



LSD



Overview



Gasket Face



4 inch Coil



Coil Sliding Supports



Shell and Piping Support



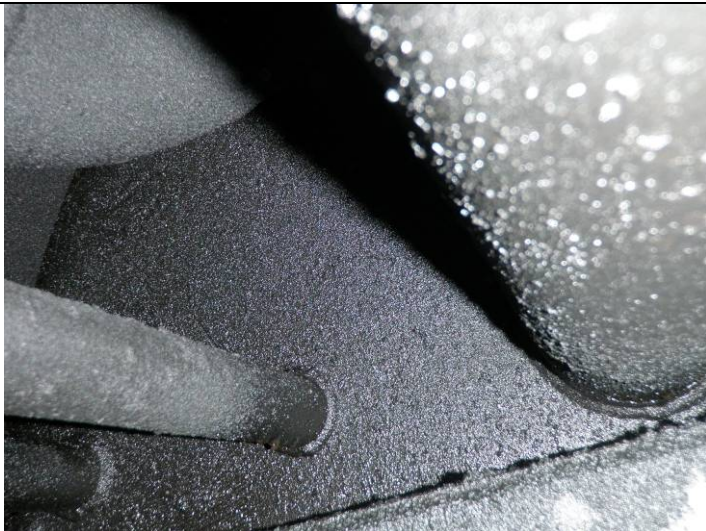
East Head



Accumulator Nozzle



Demister Pad



Shell/Coil welds



Temp Probe Nozzle



Shell Weld



Piping and Support Channels