


GENERAL INSPECTION FORM						
District: Northern Plains			Skid No. : 16825			
Facility: FireBird Oil Battery			Location (LSD) Surface: 14-01-98-08-W6M			
Vessel Name & Equipment Number: Inlet Separator						
Orientation: Horizontal <input checked="" type="checkbox"/> or Vertical <input type="checkbox"/>			Location (LSD) Downhole:			
Status: In Service <input checked="" type="checkbox"/> or Out of Service (blinded / fully isolated) <input type="checkbox"/>			Commissioning Inspection <input type="checkbox"/> or Regulatory Inspection <input checked="" type="checkbox"/>			
PRESSURE VESSEL NAMEPLATE DATA						
"A" or "G" or "S" (Sask.) or BC Registration Number. A3004650			CRN Number M-5051.2			
Vessel serial number: 1369 V201			Size (diameter x length- estimate if necessary): 36 in X 20' S/S			
Shell thickness: 57.2 mm			Shell material: SA-516-70N			
Head thickness: 22.8 mm			Head material: SA-516-70N			
Tube wall thickness:			Tube material:			
Tube diameter:			Tube length:			
Channel thickness:			Channel material:			
MAWP	Shell: 9300 kPa 1348.8 PSI		Operating pressure	Shell:		
	Tubes:			Tubes:		
Design Temp.	Shell: 93 C		Operating temperature	Shell:		
	Tubes:			Tubes:		
X-ray: RT-1			Heat treatment? Yes			
Code parameters: ASME VIII, Div 1			Joint efficiency (if on nameplate):			
Manufacturer: Plains Oil Ltd			Year built: 1994			
Corrosion allowance: 1.6 mm			Manway? Yes 20 in 600			
PRESSURE SAFETY VALVE NAMEPLATE DATA						
Tag Number(s)	Set Pressure	CRN #	Manufacturer/ Model / Serial / Code Stamp	Capacity (Scfm)	Size (Inlet x Outlet)	Set Date (mm/dd/yyyy)
Shell Side G# 709470	1345 Psi	0G2369.5C	Farris, 26HA13-120/S7, sn-CE-40477-A10 UV, NB	20480 SCFM	2" #600 X 3" #150	7/3/2006
Tube Side G#						
SERVICE CONDITIONS-INDICATE ALL THAT APPLY						
Sweet <input checked="" type="checkbox"/>	Sour <input type="checkbox"/>	Oil <input checked="" type="checkbox"/>		Gas <input checked="" type="checkbox"/>	Water <input checked="" type="checkbox"/>	
Amine <input type="checkbox"/>	LPG <input type="checkbox"/>	Condensate <input checked="" type="checkbox"/>		Air <input type="checkbox"/>	Glycol <input type="checkbox"/>	
Other (Describe):						

Inspection Interval **MONTHS 6 0** PSV Service Interval **AS PER MAXITRAK**
 (Determined by integrity specialist in conjunction with Chief Inspector following guidelines of ConocoPhillips Canada Owner-User Inspection Program)
 Reports reviewed and accepted by:

REVIEWED AND ACCEPTED


Integrity Specialist _____ Date **AUG 28 2008**
 Fill out all forms as completely as possible. All information is important. Use back of sheets to record additional information or sketch if required.

External Inspection Items	G	F	P	N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture. Are straps secure?				X	Vessel is not insulated.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, distortion etc (record location, size and depth of corrosion or damage)	X				No scratches or peeling of pain external surface. Vessel is suited with a 20" #600 man way closure, davit arm appears to be in good condition with no visible damage.
Leakage Record any leakage at flanges, threaded joints, weep holes on repads, etc.				X	No leaking detected.
Skirt/ Saddle Assess condition of paint, fire protection, concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Is ground wire attached?	X				Saddles are seal welded to shell, weld appears full and complete. No distortion – no buckles or dents. Ground attached to saddle.
Anchor Bolts Hammer tap to ensure secure. Look for corrosion, cracking in threads or signs of deformation.	X				In Place and secure
Concrete foundation Check for cracks, spalling, etc.				X	
Ladder / Platform Describe general condition, ensure support is secure to vessel, describe any hazards.				X	Ladder and platform to upper shell and PSV access is secure and in place.
Nozzle Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted? Inspect gussets for cracking.	X				All nozzles are clean with no visible deflection noted. Paint condition is good – no exposed metal.
Gauges Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.	X				Both temp gauge and pressure gauge are attached and within range for operation.
External Piping Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?	X				All external piping is well supported with no visible deflection or signs of any leakage present at time of inspection.
Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				Well supported – no leaks.
PSV Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as valve outlet and is properly supported and routed. Are PSV seals in place? Ensure no block valves between PSV and vessel, or if there are ensure they are locked/sealed open.	X				Located on outlet piping - set below the vessel MAWP. Seal intact. No block valve. Discharge piping same size as outlet orifice.
NDE methods Was UT/ MPI done on vessel	X				No external NDE at this time.
Other Observations:					
See internal inspection for summary and recommendations.					

Inspected By: Jerald Zaderey

(Please Print)

Date: July 28, 2008

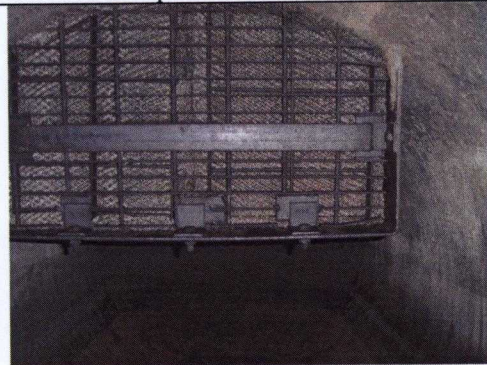
Internal Inspection Items	G	F	P	N/A	Comments
Coating Assess coating. Describe area coated, general condition of coating. Look at nozzles, coupling, and areas of most severe corrosion to ensure coating is intact. If coating is in poor condition make decision <u>now</u> if re-coating necessary? If so, when?				X	Internal is not coated.
Anodes. How many, type, condition. % consumed. Are they being replaced?				X	No anodes
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	No internal piping.
Trays How many? Type of material. Are valves in place. Check for erosion/ corrosion; wear on tray valve legs. Cleanliness?				X	No trays.
Baffles, deflector plates, etc. If present, describe condition. Look closely at welds attached to vessel wall.	X				The inlet deflector plate on the North end of the vessel and the weir plate are both secure with no visible deflection or damage noted.
Bottom Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)	X				North head is good with mill scale still present on surface.
Top Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)	X				South head is in good clean condition with no visible 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				Vessel has two shell sections of which both have no visible corrosion noted.
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 in place and appears to be clean with no visible 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				All welds are full and complete with no visible concerns.
Repairs Required. If yes, ensure procedure and copy of AB-40 is on file, and one sent to local ABSA Inspector				X	No repairs required.
NDE Was any NDE done.				X	No internal NDE at this time.
Other Observations Recommendations: No recommendations at this time. Summary: This vessel is in good condition, visual internal and external carried out – no pitting detected. Ultrasonic thickness inspection carried out – no metal thickness detected below nominal minus corrosion allowance. Vessel found to be acceptable and fit for service.					

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(Please Print)

Photo Table

 <p>A metal nameplate with technical specifications and a grid of data. The text 'PLAINFIELD OIL LTD' is visible at the top.</p>	 <p>External view of a large industrial vessel with a blue control panel and various pipes and valves.</p>
 <p>Close-up view of a curved metal inlet deflector plate inside a vessel.</p>	 <p>View of a water boot at the bottom of a vessel, showing a circular opening and surrounding metal structure.</p>
 <p>View of a demister pad, a metal mesh structure used for separating liquid from gas.</p>	 <p>View of the top shell of a vessel, showing a circular opening and the surrounding metal structure.</p>
 <p>Close-up view of a lower shell nozzle, a circular opening in the metal shell.</p>	