


Enerplus Resources Visual Internal Inspection Report – Pressure Vessels AI FR 024

Date:	August 12, 2014	Description:	<input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Exchanger <input type="checkbox"/> Boiler			E#	48859
Inspector:	John David Kobelsky	Equipment Name:	Inlet Separator			CRN#	P3264.213
Agent Co:	Integrity Testing Services	Jurisdiction #	A0490117			Serial#	PE7869
Owner:	Enerplus Corporation	Manufacturer:	Penfabco Ltd.		Year Built:	2002	
District:	Shallow Gas: Shackleton	Field:	Lancer		LSD:	12-26-021-20W3M	
Scope	A visual internal inspection was performed on all accessible shell and head surfaces, nozzles, welds etc.						
Access	<input checked="" type="checkbox"/> Manway <input type="checkbox"/> Inspection nozzle						
Opening	Gasket surfaces	<input checked="" type="checkbox"/> Compliant with code	Comment	Minor corrosion outside the gasket face.			
	Nozzle tube	<input checked="" type="checkbox"/> No pitting, erosion etc.	Comment				
Shell and Head Surfaces	Uniform corrosion	<input checked="" type="checkbox"/> Insignificant amount	Comment				
	Pitting corrosion	<input type="checkbox"/> None noted	Comment	Minor pitting found near the 4 o'clock and 7 o'clock region of the West Head. Around 0.100" deep but difficult to measure due to the curvature of the Head.			
	Erosion	<input checked="" type="checkbox"/> None noted	Comment				
	Internal Coating	<input type="checkbox"/> Full <input type="checkbox"/> Partial <input checked="" type="checkbox"/> None	Comment				
	Mechanical damage	<input checked="" type="checkbox"/> None noted	Comment				
Welds	Uniform corrosion	<input type="checkbox"/> Insignificant amount	Comment	Minor weld attack on the long seam. This was noted on the last inspection.			
	Pitting corrosion	<input checked="" type="checkbox"/> None noted	Comment				
	Welding defects	<input checked="" type="checkbox"/> None noted	Comment				
	NDE was performed by				Extent		
Type	<input type="checkbox"/> MPI <input type="checkbox"/> WF <input type="checkbox"/> B&W <input type="checkbox"/> Dry <input type="checkbox"/> LPI <input type="checkbox"/> UT <input type="checkbox"/> RT <input type="checkbox"/> Other:						
Results:	No NDE performed						
Nozzles	Obstructions	<input type="checkbox"/> None noted	Comment	Some nozzles had mud inside still.			
	Corrosion	<input checked="" type="checkbox"/> None noted	Comment				
	Erosion	<input checked="" type="checkbox"/> None noted	Comment				
Attachments	<input type="checkbox"/> Vortex breaker	<input type="checkbox"/> Secure	<input type="checkbox"/> Good condition	Comment			
	<input checked="" type="checkbox"/> Impingement plate	<input checked="" type="checkbox"/> Secure	<input checked="" type="checkbox"/> Good condition	Comment			
	<input type="checkbox"/> Suction tube	<input type="checkbox"/> Secure	<input type="checkbox"/> Good condition	Comment			
	<input checked="" type="checkbox"/> Demister	<input checked="" type="checkbox"/> Secure	<input checked="" type="checkbox"/> Good condition	Comment	Demister is quite dirty		
	<input type="checkbox"/> Heating coil	<input type="checkbox"/> Secure	<input type="checkbox"/> Good condition	Comment			
	<input type="checkbox"/> Fire tube	<input type="checkbox"/> Secure	<input type="checkbox"/> Good condition	Comment			
	<input type="checkbox"/>	<input type="checkbox"/> Secure	<input type="checkbox"/> Good condition	Comment			
Inspection Summary	- There was minor pitting in the 4 o'clock and 7 o'clock region of the West Head. - The long seam has minor weld attack at the West end. This was marked out from a previous inspection. - The demister was quite dirty and not removed at the time of inspection.						
Recommendations:						NCR	
- Monitor the areas of pitting and weld attack at the next internal inspection. - Clean the demister at the next internal inspection.							
Integrity Status	Suitable for continued service	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Immediate repairs required	<input type="checkbox"/> Future repairs required	<input type="checkbox"/> Replace	
Inventory Status	<input checked="" type="checkbox"/> In service	<input type="checkbox"/> Out of service	<input type="checkbox"/> Stock				
Sign Off	Inspection Interval			Years or Changed to			
	PSV Interval			Years or Changed to			
	Inspector Signature					Jurisdictional Inspector# Nat'l Bd.: 15019 / API 510/570: 28139/29975 / IBPV PESL: 274 / PEI Class 1: 169	
	Chief/Senior Signature (if needed)					Jurisdictional Inspector#	