


# Enerplus Resources Visual External Inspection Report – Pressure Vessels

<input type="checkbox"/> Installation		<input checked="" type="checkbox"/> External		AI FR 023											
Date:		September 28, 2015		Description:		<input type="checkbox"/> Vessel <input checked="" type="checkbox"/> Exchanger <input type="checkbox"/> Boiler		E#		51785					
Inspector:		John David Kobelsky		Equipment Name:		Plate Exchanger			CRN#		R5688.213				
Agent Co:		Integrity Testing Services		Jurisdiction #		Not Stated			Serial#		271076.11				
Owner:		Enerplus Corporation		Manufacturer:		VIEX			Year Built:		2006				
District:		Shallow Gas: Shackleton		Field:		Sceptre			LSD:		04-29-021-23W3M				
Service:		<input checked="" type="checkbox"/> Sweet <input type="checkbox"/> Sour										MDMT		-29°C	
Zones	MAWP	MAWT	PSV Set P	PSV Tag E#	PSV Manufacturer	PSV S/N#	PSV Inlet size	PSV Outlet size	PSV Serv. Co	PSV Serv. Date	PSV CSO? Y/N	PSV Capacity			
Side A	2758 kPa	121°C	2413 kPa	E51796	Farris	532431-4-A10	76.20 mm	101.60 mm	Tel-Rite S.L.	Sep-15	Not Applicable	8989 SCFM			
Side B	2758 kPa	121°C													
Other	Not Applicable	Not Applicable													
			Shell		Head		Channel		Tube		Comment				
Material			Not Stated		Not Stated		Not Applicable		Not Applicable						
Nominal T			Not Stated		Not Stated		Not Applicable		Not Applicable						
CA			Not Stated		Not Stated		Not Applicable		Not Applicable						
Orientation		<input type="checkbox"/> Hor <input checked="" type="checkbox"/> Ver	Foundation:		<input type="checkbox"/> Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Timbers	<input checked="" type="checkbox"/> Steel	Condition		Good						
Support		<input type="checkbox"/> Saddle	<input type="checkbox"/> Seal Welded	<input type="checkbox"/> Free to Move	Condition:										
		<input type="checkbox"/> Skirt	<input type="checkbox"/> Free Of Debris	Condition:											
		<input type="checkbox"/> Hangers	<input type="checkbox"/> Secure	Condition:											
		<input checked="" type="checkbox"/> Other:	Legs			Condition:		Good							
Overall		General Condition:			Good			Electical Grounding		<input type="checkbox"/> Direct <input checked="" type="checkbox"/> Indirect <input type="checkbox"/> None					
Ext. Surface		<input checked="" type="checkbox"/> Painted <input type="checkbox"/> Insulated <input type="checkbox"/> Fire-proofed <input type="checkbox"/> Cladded	Condition:		Good										
Ext. Fixtures		<input type="checkbox"/> Ladder <input type="checkbox"/> Platform <input type="checkbox"/> Other													
Inspection Nozzles		<input type="checkbox"/> Manway <input type="checkbox"/> Port	Size:		Not Stated			<input type="checkbox"/> Reinforcement Pad <input type="checkbox"/> Weep Hole Present							
Davit Arm		<input type="checkbox"/> Present <input type="checkbox"/> Greased <input type="checkbox"/> Double nutted	Condition:												
Piping	<input checked="" type="checkbox"/> PSV	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Joined per code	<input checked="" type="checkbox"/> Drains properly	<input checked="" type="checkbox"/> Well Coated	Comment:		Good							
	<input checked="" type="checkbox"/> Inlet	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Joined per code	<input checked="" type="checkbox"/> Free from leaks	<input checked="" type="checkbox"/> Well Coated	Comment:		Good							
	<input checked="" type="checkbox"/> Outlet	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Joined per code	<input checked="" type="checkbox"/> Free from leaks	<input checked="" type="checkbox"/> Well Coated	Comment:		Good							
	<input type="checkbox"/> Drain	<input type="checkbox"/> Supported	<input type="checkbox"/> Joined per code	<input type="checkbox"/> Free from leaks	<input type="checkbox"/> Well Coated	Comment:									
	<input type="checkbox"/> Instrumentation	<input type="checkbox"/> Supported	<input type="checkbox"/> Free from leaks	<input type="checkbox"/> Well Coated	Comment:										
	<input type="checkbox"/> Process fluid identified	<input checked="" type="checkbox"/> Flow Direction marked	Comment:		Good										
Valves		<input checked="" type="checkbox"/> Manual Isolation Valve	<input checked="" type="checkbox"/> Free from leaks	Comment:		Good									
		<input type="checkbox"/> Automated Control Valve	<input type="checkbox"/> Free from leaks	Comment:											
		<input checked="" type="checkbox"/> Vents and Drains Plugged	Comment:		Good										
Gauges		<input type="checkbox"/> Pressure	Reading:	Condition:											
		<input type="checkbox"/> Temperature	Reading:	Condition:											
Sight Glass		<input type="checkbox"/> Fluid Level	Reading %	Condition:											
Inspection Summary		The plate exchanger is in good condition. The engine coolant side of the exchanger has no PSV due to it being less than 97 kPa (14 PSI).													
Recommendations:												NCR			
None															
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												
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 #						
	Chief/Senior Signature (if needed)								Jurisdictional Inspector #						
											Nat'l Bd.: 15019 / API 510/570: 28139/29975 / IBPV PESL: 274 / PEI Class 1: 169				