



A2864617\_Name plate\_16July2011



## Field Inspection Report

Client	CNRL			Date of Inspection	July 12, 2011			
Prov. Reg.#	A2864617			Inspection Type	VE, UT			
Equipment	Test Separator			Location	Taber Battery			
Tag/Equip. #	V 100			LSD	06-24-010-17W4M			
Vessel Status	NOT In Service			Comp./Unit #				
Manufacturer	West Fab Industries Limited.			MAWP / Temp	285 PSIG @ 100 F			
Serial #	WF 93245	CRN #	M 0788.2	MDMT@ Pressure	-20 F @ 285 PSIG			
Corrosion Allowance		Shell Material	SA516-70	Shell Thickness	0.500"			
Year Built	1993	Head Material	SA516-70	Head Thickness	0.500"			
Diameter	48" OD	Length		Height	RT	RT-3	HT	
Service	Sour	Next Inspection		Next Insp. Type				
ASME Stamp	No	Next Inspection		Next Insp. Type				
PSV Tag #		CRN#		Set Pressure				
Manufacturer				NB#		ASME Stamp		
Type/Model		Serial #		Inlet Size				
Capacity		Service Company		Outlet Size				
Service Date				Next Service Date				
Valve Location	On Vessel On Piping Vents to Flare Vents to Atmosphere	Valve Connection	Threaded Flanged Welded	ABSA CODE TYPE				
				Plant		Process		
				Vessel		Special		
PSV Tag #		CRN#		Set Pressure				
Manufacturer		NB#		NB#		ASME Stamp		
Type/Model		Serial #		Inlet Size				
Capacity		Service Company		Outlet Size				
Service Date				Next Service Date				
Valve Location	On Vessel On Piping Vents to Flare Vents to Atmosphere	Valve Connection	Threaded Flanged Welded					

**Manway:** North head.

**Background:**

**PSV:** No data collected as vessel is NOT in service.



# Field Inspection Report

## **Ladders, Stairs, Platforms & Walkways**

Corroded or Broken Parts-  
Condition of Coating-  
Wear of Ladder Rungs & Stair Treads-  
Handrails Secure-  
Condition of Flooring on Walkways-  
Check Tightness of Bolts-  
Check for Corrosion-  
Additional comments:

## **Concrete Supports and Foundations**

Steel Supports (Skirts, Bracing)  
Check for Corrosion-  
Check for Buckling & deflection-  
Check Vessel Supports for Tightness-  
Check Insulation for Deterioration-  
Additional Comments:

## **Nozzles**

Check for Distortion-  
If Found; Check Surrounding Shell and Seams for cracks-  
Check Condition of Connected Piping and Supports-  
Check Condition of Weep Holes in re-pads-  
Additional comments:

## **Electrical, Instrumentation & Grounding Equipment**

Sept. /06 Check General Condition of Associated Electrical Equipment-  
Check General Condition of Associated Instrumentation-  
Check Grounding Connections-  
Additional comments:

## **Auxiliary Equipment**

Check Gauges and Sensor connections for Defects, Damage, Cracks & Vibration-  
Check Sight Glasses for defects, Damage, Cracks & Vibration-  
Check Condition and Operation of Associated Valves-  
Additional comments:

## **Metal Surfaces**

Check for Corroded Areas-  
Check for Cracks at Weld Seams and Nozzles-  
Check for Blistering at and below liquid Level-

## **Internals**

Inspection conducted -  
Check bubble or step trays for condition  
Check vane packing for plugging or mechanical damage  
Check down-comers, overflow lines.  
Check weirs, baffles, mist pads and coils-  
Additional Comments:



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## **Protective: Coatings / Insulation / Cathodic**

Check for External Coating Failure-

Check for internal coating –

**General Comment's: Test Separator was found to be in good general condition. Vessel was NOT in service at time of inspection.**

## **External Inspection:**

- Name plate was intact and readable.
- Paint was in good condition with no external corrosion or erosion.
- External insulation was in good shape.
- Wall to shell interface seal was in good shape with no signs of corrosion.
- Vessel is supported on saddles; shell to saddle welds were in good shape.
- Saddles were bolted securely to the floor.
- All external nozzles were in good condition, no leaking flanges, gaskets, or threaded connections.
- All bolting hardware was intact and secure.
- All associated piping was in good shape.
- Liquid level sight glass was in good shape with no cracks or leaks.
- Temperature and Pressure gauges were in good shape.
- North manway bolting was all in place and secure, davit arm was in good working order.
- No deflection or deformation was found on the heads, shell or nozzles.
- Vessel was grounded to the building and cable was in good shape.
- UT survey was carried out, severe pitting was found at bottom of level gauge, see attached UT Report.
- PSV data was not collected as the vessel was out of service at the time of inspection.

## **Internal inspection:**

- No internal inspection was carried out.

## **Recommendations:**

- Continue to carry out visual external inspections and UT corrosion surveys at the required inspection frequencies.

## **Final Inspection:**

- Test Separator was found to be fit for service.

X

Blair Verge  
Verge's Inspection Services Ltd.

**Inspector(s) Blair Verge API 510 Certification #24212**



## Field Inspection Report



A2864617\_Name plate\_16July2011



A2864617\_Side view\_16July2011



A2864617\_North head, Manway and Davit Arm\_16July2011