



Provincial Reg #: A0441017 CRN: N9540.2 National Board #:

Tag Number: Skid Number: Operating Status: In Service : Yes

Static Data

Manufacturer: Thermo Design Esgineering Year Built: 1998
Service: Sour Volume: 915 C.U. Ft Length: 30'-0" Diameter: 72"

Manway: Yes Manway Size: 20" Orientation: Horizontal

Code: Sect VIII, Div 1 Section: Division: Code Stamp: U Para:

Vessel:

MAWP: 1415 psi MAWT: 150 F MDMT: 20 F

Other Comments:

Section	Shape	Material	Nomir	nal	C	A	JE - %	RT	PWHT
Shell		SA 516 70N	3.250"	in	.125"	in		1	Yes
Top Head	2:1	516 70N	3.218"	in	.125"	in		1	Yes
Bottom Head	2:1	516 70N	3.218"	in	.125"	in		1	Yes

- PSV Static Data

	PSV 1	PSV 2	
Manufacturer:			
Owner Tag:			
Serial Number:			
CRN:			
Set Pressure:			
Capacity:			
Code Stamp:	·		
Inlet Size:			
Inlet Connection Type:	·		
Outlet Size:			
Outlet Connection Type:	·		
Service Date:			
Serviced By:			
PSV Location:			
Service Tag Available:			





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Inspection Results

Inspection Date: 8/14/2019 Inspection Method: VI

Thorough Interval: External Interval:

Contributors

Inspector Name: Gerald Page Inspector Qualifications:
UT Inspector Name: UT Inspector Qualifications:
Assessor: Assessor Qualifications:

Assessment Summary

Suitable for Continued Service as per API 510: As per API 510, Suitable for Continued Service: Yes

— Inspection Details

Non-conformance

Summary

None to Report

Recommendation

Summary

None at this time.

Additional Inspection

All welds proud

Comments

No signs of any Erosion, Corrosion, or Pitting

No Deformations noted Demister was clear

No access to upper shell at demister, as demister pads were not removed

Internal Weirs (3) were secure

Vortex Breakers (2) were secure and no washing at the nozzles was noted

GRADE 2, 5 YEARS

THOROUGH INTERVAL GRADE 2, 5 YEARS





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- Attachments

Nameplate

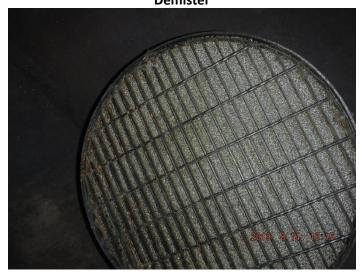




Manway Cover



Demister







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Front Head to Shell Weld





Inlet Pipe



Nozzles







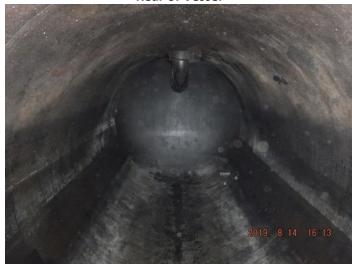
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Rear Head to Shell T-Joint



Rear of Vessel



Rear Section Lower Shell & Weir



Rear Section





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Typical Weir to Shell Weld





Typical Shell T Joint



Typical Weir Bolting







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Vortex Breaker Weir









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Checklist

Legend: 1 = As New 2 = Some Wear – 4 = Severe Deterioration – Repair R		3 = Measurable Deterioration, Consider Repair ervice – Follow-up Required 6 = N/A
Item Inspected - Vessel Exterior	Disposition	Comment
Vessel Exterior		
Nameplate	Nameplate	
External Shell		
External Heads		
Manway		
Cathodic Protection		
Paint		
Fireproofing		
Insulation / Cladding		
External Nozzle / Repad		
External Flanges		
External Piping		
Gaskets		
Flange Bolting		
Handrails / Ladders		
Grounding		
Supports		
Welded / Bolted		
Foundation		
Grating		
Guy Wires / Anchors		
Dykes / Berms		
External Control & Safety Devices		<u> </u>
External Control Devices		
PSV Condition		PSV was out for Servicing at time of inspection
PSV Installation Code Compliant		
PSV Service Seal Intact		
Internal Shell/Heads		
Shell	2	
Heads	2	
Boot	6	
Dome	6	
Internal Nozzles/Piping	2	



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Internal Bolting	2				
Refractory	6				
Internal Coating	6				
Scale/Deposits	6				
Weir/Pass Partition Plate	2	3 weirs in this vessel			
Sparger	6				
Trays	6				
Demister	2				
Distributor	2				
Vortex Breaker	6				
Anodes	6				
Internal Level Controls/Floats	2				
Other Internal Devices/Attachments	6				
Bundle					
Baffles	6				
Tube Fins	6				
Plugs/Ferrules	6				
Tie Rods	6				
Tubes OD	6				
Tubes ID	6				
Tube Sheets	6				
Tube Hangers	6				
Floating Heads	6				
Channels	6				
Channel Covers	6				
Fire Equipment					
Burners	6				
Pilot Assembly	6				
Flame Arrestors	6				
Firetubes	6				