



A2654494\_Nameplate\_21May09



VESSEL INSPECTION SUMMARY

Report #: 137845-SM-11  
 Inspect Date: 05/20/2009  
 Page: 1 of 2  
 IRISNDT #: 137845

Client: CNRL District: Medicine Hat West Field: Claresholm  
 Facility: 15-36-012-27W4M Unit: Plant LSD: 15-36-012-27W4M  
 Jurisdiction #: A2654494 Equip Tag #: Serial #: FH-51-10-1689  
 CRN #: K-1303.2 Nat'l Bd #: Year Built: 1990  
 Manufacturer: OPSCO Industries. Equipment Description: Inlet Separator  
 Status: In Service Date Removed From Service: Service: Select  
 MAWP Shell 1000 Psi @ 100 °F Height/Length: in. Code Stamp:  Y  N  
 MAWP Tube Psi @ °F Size/Diameter: in. I.D. Insulated:  Y  N  
 Support Type: RT: Volume: ft<sup>3</sup> / m<sup>3</sup> PWHT:  Y  N  
 C.A. Coated  Y  N Clad:  Y  N Manway:  Y  N

Component	Material	Nominal	Minimum

Component	Material	Nominal	Minimum

PSV Static Data

PSV -1 Tag #: 5128C Serial #: C-1338-KD CRN: \_\_\_\_\_  
 Model #: 2741U Capacity: 5111 SCFM Set Pressure: 655 Psi  
 Manufacturer: Farris Industries Service Company: Unified Valve  
 Shell/Tube Side: Shell Service Date: June 11, 2004  
 Size In: 1" Size Out: 1.5" Connection Type: \_\_\_\_\_  
 Carseal Intact: Yes Number of PSV's \_\_\_\_\_ Location: \_\_\_\_\_

PSV - 2 Tag #: \_\_\_\_\_ Serial #: \_\_\_\_\_ CRN: \_\_\_\_\_  
 Model #: \_\_\_\_\_ Capacity: \_\_\_\_\_ SCFM Set Pressure: \_\_\_\_\_ Psi  
 Manufacturer: \_\_\_\_\_ Service Company: \_\_\_\_\_  
 Shell/Tube Tube Service Date: \_\_\_\_\_  
 Size In: \_\_\_\_\_ Size Out: \_\_\_\_\_ Connection Type: \_\_\_\_\_  
 Carseal Intact: No Number of PSV's \_\_\_\_\_ Location: \_\_\_\_\_

External Inspection Results - VE

Last Report #:						Last Report Date:						Summary Report #:					
Item	Y	N	N/A	Acc	Comment	Item	Y	N	N/A	Acc	Comment	Item	Y	N	N/A	Acc	Comment
Foundation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Paint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Cathodic Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Grounding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Fireproofing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Ladders/Platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Insulation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Berms	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Davit Arm	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Piping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Davit Arm	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Pressure Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Temp. Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Anchor Bolting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
TMLs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													

Internal Inspection Results - VI

Item	Y	N	N/A	Acc	Comment	Item	Y	N	N/A	Acc	Comment
Shell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Demister	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Vane Pack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Baffles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gasket Surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Trays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Refractory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Internal Coating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heating Coils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tube Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Refractory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tube Bundle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Edmonton (780) 437-4747	Fort McMurray (780) 743-1536	Cold Lake (780) 594-1114	Mailing Address
Calgary (403) 279-6121	Grande Prairie (780) 532-2283	Red Deer (403) 347-1742	5311 - 86 Street
Nisku (780) 955-7616	High Level (780) 841-0470	Tulsa, OK (918) 446-8773	Edmonton, Alberta
Barrhead (780) 674-3018	Lloydminster (780) 875-6455	Houston, TX (281) 476-4444	T6E 5T8



VESSEL INSPECTION SUMMARY

Report #: 137845-SM-11
Report Date: 05/20/2009
Page: 2 of 2
IRISNDT #: 137845

Client: CNRL LSD: 15-36-012-27W4M Jurisdiction #: A2654494

Attached to Vessel Inspection Report #

Additional Attachments # of pages Specify

NDE Performed UT MT PT ET RT OTHER

NDE Report #

NCR Raised Operational Action Item Raised Repair Action Item Raised Deferred Action Item Raised

Inspection Comments:

External Inspection

An external visual inspection was performed on vessel and the findings are as follows:

The vessel was operating at the time of inspection. No process leaks or vibrations were noted at time of inspection. The vessel and all associate piping are painted. Paint is in good condition.

The vessel is supported by its saddles. Saddles are anchored to the floor. All anchored bolts are tight and ok.

Gauges are in good working condition.

PSV is set to the required pressure.

Ultrasonic Thickness Survey

External UT was performed with no significant wall losses noted.

Refer to attached photos, drawing and UT data for inspection findings.

The vessel appears to be in good operating condition for continued service based on the external visual observations and UT thicknesses readings recorded at the time of the inspection.

Recommendations:

Continue to inspect the vessel and monitor internal corrosion at regular scheduled intervals.

Unit # Kilometers:

In Out Hrs

In Out Hrs

Personnel:

Consumables:

Inspector:

Saeed Majdnia (Print) PESL:

(Signature) API:

I am in full agreement with report contents:

Client Representative

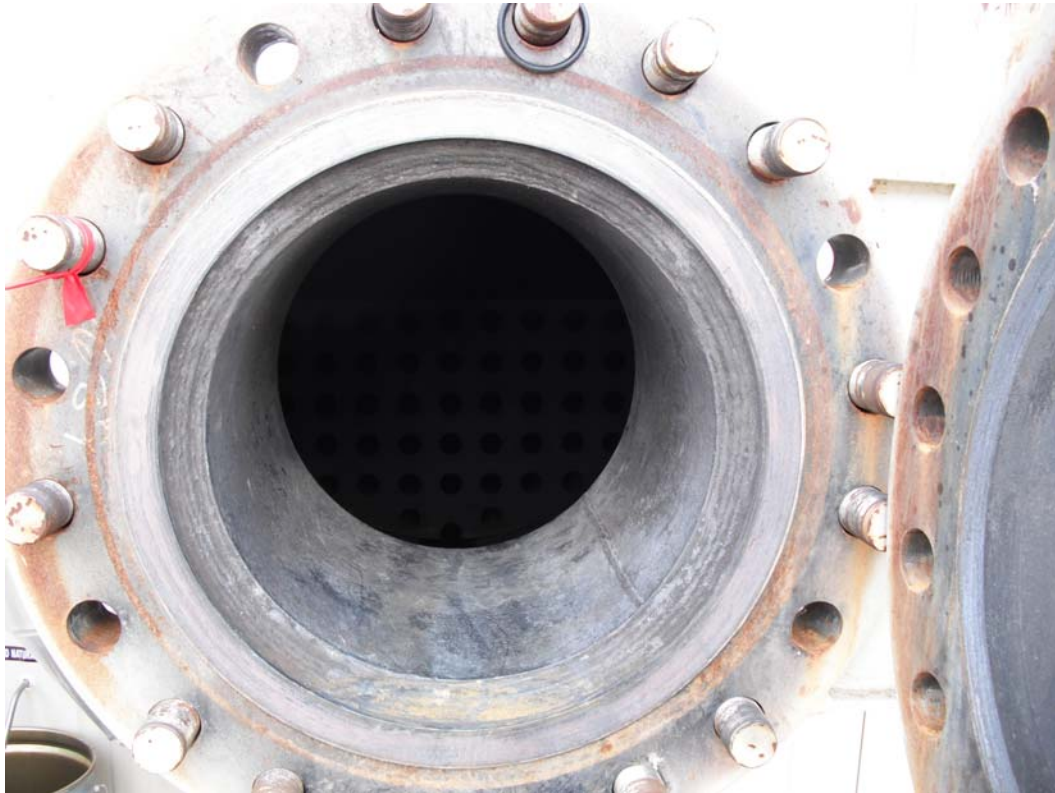
Table with 7 columns: Location, Phone 1, Phone 2, Phone 3, Phone 4, Phone 5, Mailing Address. Rows include Edmonton, Calgary, Nisku, Barrhead, Fort McMurray, Grande Prairie, High Level, Lloydminster, Cold Lake, Red Deer, Tulsa, OK, Houston, TX.



A2654494\_PSV\_21May09



A2654494\_MW Cover\_21May09



A2654494\_Manway\_21May09

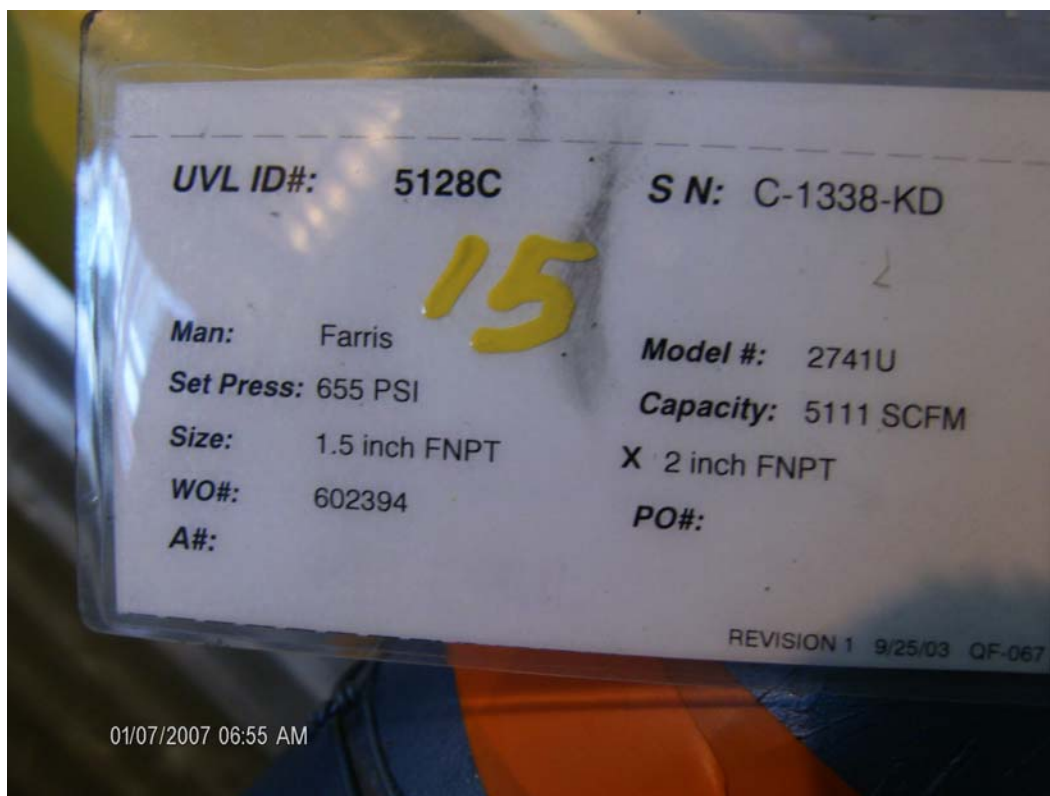


A2654494\_PSV nameplate\_21May09



A2654494\_PSV\_21May09





A2654494\_PSV Tag\_21May09



A2654494\_Baffel and \_demister\_21May09



A2654494\_Scratches on shell\_21May09



A2654494\_Overview\_21May09