



VESSEL INSPECTION SUMMARY

Report #: **141156-PM-59**
Inspect Date: 03/31/2010
Page: 1 of 5
IRISNDT #: 141156

Client: CNRL District: St. Albert Field: East Michichi
Facility: 04-08-031-18W4M Unit / Skid #: LSD: 04-08-031-18W4M
Jurisdiction #: A0227279 Equip Tag #: Serial #: 27935A
CRN #: C4936.2134 Nat'l Bd #: Year Built: 1986
Manufacturer: WESTERN VALVE Equipment Description: NGL BULLET
Status: In Service - Date Removed From Service: Service: Sweet
MAWP Shell: 1724 kPa @ 66 °C Height/Length: 656 in. Code Stamp: ☒ Y ☐ N
MAWP Tube: 1200 @ 150 °F Size/Diameter.: 108 in. I.D. Insulated: ☐ Y ☒ N
MDMT: RT: RT-2 Volume: PWHT: ☐ Y ☒ N
Support Type: Saddle Manway: ☐ Y ☒ N
C.A.: 1.6000 mm Coated: ☐ Y ☐ N Clad: ☐ Y ☐ N J.E.: Remote Access: ☐ -

Component	Material	Nominal Thk	Diameter	OD/ID	Tube Side	Shell Side
- Head	SA-519-70	.772 in.	108.000 in.	ID	☐	☐
- Shell	SA-519-70	0.770 in.	108.000 in.	ID	☐	☐
-					☐	☐
-					☐	☐
-					☐	☐

Comments:

PSV Static Data

PSV -1 Tag #: Serial #: P87971 CRN: 0G2302.52
Model #: H282-250 Capacity: 9724 SCFM Set Pressure: 250 psi
Manufacturer: Fisher Valves & Instruments Service Company: Unified Valve
Inlet Size & Type: - Last Service Date: 6/24/2009
Outlet Size & Type: - Block Valve: - -
Carseal Intact: Yes Code Stamp:
Shell Side / Tube Side: Location of PSV: Outlet Piping

PSV -2 Tag #: Serial #: CRN:
Model #: Capacity: Set Pressure:
Manufacturer: Service Company:
Inlet Size & Type: - Last Service Date:
Outlet Size & Type: - Block Valve: - -
Carseal Intact: Code Stamp:
Shell Side / Tube Side: Location of PSV:

PSV Comments

PSV is in good condition with carseal intact. .

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Client: CNRL LSD: 04-08-031-18W4M Jurisdiction #: A0227279

External Inspection Results - VE

Item	Y	N	N/A	Condition	Comment	NCR	Action Item	Priority
Nameplate	☒	☐	☐	Accept		☐	☐	
Foundation and Supports	☒	☐	☐	Accept		☐	☐	
Anchor Bolts	☒	☐	☐	Accept		☐	☐	
Grounding	☒	☐	☐	Accept		☐	☐	
Insulation Condition	☐	☐	☒			☐	☐	
PSV	☒	☐	☐	Accept		☐	☐	
Shell & Heads	☒	☐	☐	Accept		☐	☐	
Metal Surfaces (Paint)	☒	☐	☐	Accept		☐	☐	
Aux Equipment	☐	☐	☒			☐	☐	
Cathodic Protection	☐	☐	☒			☐	☐	
Alignment	☒	☐	☐	Accept		☐	☐	
Flange Connections	☒	☐	☐	Accept		☐	☐	
Pressure Gauge	☒	☐	☐	Accept		☐	☐	
Piping from Vessel	☒	☐	☐	Accept		☐	☐	
Temperature Gauge	☒	☐	☐	Accept		☐	☐	
Sight Glass	☒	☐	☐	Accept		☐	☐	
Leaks	☐	☒	☐			☐	☐	
Current UT Survey	☒	☐	☐			UT Company:		
Previous UT Survey	☐	☐	☒			UT Company:		

LEGEND:

Priority 0 - General Recommendations

Priority 1 - Goal date is 30 days from the activity date

Priority 2 - Goal date is 90 days from the activity date.

Priority 3 - Goal date is 1 Year from the activity date.

Priority 4 - Goal date is 5 Years from the activity date.

External Visual Observations

Manual Review Required By Customer Representative -

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

- The vessel was operating at time of inspection. No process leaks or vibrations were noted.
- The paint on shell, heads and piping is in very good condition with very isolated areas of paint flaking with very minor general corrosion where exposed.
- All piping, flanges and bolting were in good condition.
- Manway is in good condition with some paint flaking with mild general corrosion. Bolting shows general corrosion where paint has failed but in acceptable condition.
- Ladder and platform is in good condition and secure
- The vessel is supported by saddles welded to shell and bolted to metal pilings. Vessel is secure and level.
- External UT was performed with Krautkramer DMS 2 Unit # 31502 with no significant wall losses noted.
- Refer to the attached photos, UT data and drawing for inspection findings.
- The vessel appears to be in good operating condition for continued service based on the external visual observations and UT thicknesses recorded.



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Internal Inspection Results – VI N/A (Not Applicable)

Item	Y	N	N/A	Condition	Comment	NCR	Action Item	Priority
Shell	☐	☐	☐			☐	☐	
Heads	☐	☐	☐			☐	☐	
Manway	☐	☐	☐			☐	☐	
Gasket Surfaces	☐	☐	☐			☐	☐	
Welds	☐	☐	☐			☐	☐	
Refractory	☐	☐	☐			☐	☐	
Heating Coils	☐	☐	☐			☐	☐	
Demister Pad	☐	☐	☐			☐	☐	
Vane Pack	☐	☐	☐			☐	☐	
Baffles	☐	☐	☐			☐	☐	
Trays	☐	☐	☐			☐	☐	
Filter	☐	☐	☐			☐	☐	
Internal Coating	☐	☐	☐			☐	☐	
Tubesheet	☐	☐	☐			☐	☐	
Tube Bundle	☐	☐	☐			☐	☐	

LEGEND:

Priority 0 - General Recommendations.

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Internal Visual Observations

Manual Review Required By Customer Representative -

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MATRIX INSPECTION

VESSEL INSPECTION SUMMARY

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Page: 4 of 5
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Client: CNRL LSD: 04-08-031-18W4M Jurisdiction #: A0227279

Attached to Vessel Inspection Report # _____

Additional Attachments # of pages _____ Specify _____

NDE UT ☒ MT ☐ PT ☐ ET ☐ RT ☐ OTHER ☐ _____

NDE Report #: _____

Items Raised: NCR No Operational Action Item No Repair Action Item No Deferred Action Item No

Action Items / Recommendations:

Continue to inspect vessel at regular scheduled intervals.

Actions Corrected at Time of Inspection: (If actions were corrected at the time of Inspection – note the corrected actions here.)

Meets Code Criteria: - Yes

Re-Inspection Required - No

Recommended Inspection Intervals:

VE Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection:	- 0000
VI Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection:	- 0000
UT Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection:	- 0000
PSV Service	Last Inspection:	-	Interval (yrs)		Next Inspection:	- 0000

Unit # 380 Kilometers: _____

In 00:00 Out 00:00 Hrs _____

In 00:00 Out 00:00 Hrs _____

Personnel: SW

P.O.# / W.O.#/AFE #: _____

Consumables:

Inspector:

Pamela maze PESL: 351
(Print)

API: 28750/34396/2786
(Sign)

Client Representative:

I am in full agreement with report contents: } (Print) _____
(Sign) _____

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Equipment Photographs:



Figure 1 Nameplate



Figure 2 overview