

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 10-19-050-27W3 **Date:** 2016-01-25 **SAP Equipment ID** 66102898

VESSEL STATIC DATA										
Plant: Aberfeldy/Northminster				OP Unit:			System:			
Prov. Insp . #: 0465645		NB#:		CRN: P6748.23			Equip Tag#: 66102898			
Equipment Description: DRYER							Serial #: 42586-56			
Manufacturer: Natco							Vessel Class: vessel			
Internal Access: No			Description:				Year Built: 2001			
MAWP: 1965 kpa			At Temp 38 C				MDMT: -29 C			
Code:			RT: RT2				PWHT: No			
Diameter: 324 mm		Length: 1829 mm		(T/T): mm		OAL: mm		Orientation: Vertical		
SHELL		Mat'l: Unknown		Thickness: 0.00 mm		Corr Allowance: 0.00 mm				
HEAD		Mat'l: Unknown		Thickness: 0.00 mm		Corr Allowance: 0.00 mm				
Nozzle		Mat'l:		Thickness:		Corr Allowance:				
Internal Coating: No				Internal Clad:				Capacity: m3		
Manway: No				Inspection Port:				Skirt Legs Saddle		
Nozzle Rating: lb ANSI				Painted:				Insulated:		
PROCESS DATA										
Production Description:				Sweet Yes Sour:						
Operating Pressure kpa				Operating Temp: C			Status: Operating			
PSV STATIC DATA										
Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
24264	15365-12	Piping	25.40	25.40	689	404	TAYLOR	T-8200-1	2010/06/29	
PSV DETAILS										
	Type(Thread/Flange)		ANSI Rating		Size(In/mm)					
PRD Inlet	Threaded		150		25.40					
PRD Outlet	Threaded				25.40					
NDE Equipment Records										
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date					
**** See Associated NDE Report										

INSPECTION SUMMARY

PSV LAST SERVICED 06/29/2010

RECOMMENDATIONS

RECOMMEND TO SERVICE PSV As per operations site is not in service. Service PSV before putting vessel back into service.
See bottom of report for correspondence with operations.

NONCONFORMANCES/INSPECTION DEFICIENCIES

PSV SERVICE PAST DUE



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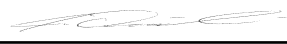
66102898

INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	<u>5 year</u>
Inspection Date	<u>2016/01/25</u>	Date of Last Insp	_____	Date of Next Insp	<u>2020/01/25</u>

REPORT CERTIFICATION

The SignatureS below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	<u>Justin Orichowski</u>		AB Cert #	<u>758</u>	SK PEI #	<u>214</u>	Date	<u>2016/01/25</u>
Reviewed and Approved by	_____	_____					Date	_____
Criticality Assessment Rerun	_____		Inspection Planning Rerun					
Assessed Next Inspection Date	<u>2021/01</u>							

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept		No	GOOD CONDITION
V2	General Corrosion	Accept		No	GOOD CONDITION
V3	General Leaks	Accept		No	GOOD CONDITION
V4	Vibration	N/A		No	
V5	Dissimilar Flange Rating	N/A		No	
V6	Ladder/Stairway	N/A		No	
V7	Heads	Accept		No	GOOD CONDITION
V8	Guy Wires	N/A		No	
V9	Electrical Ground	Accept		No	BUILDING GROUNDED
V10	Painted Inactive Corrosion	N/A		No	
V11	Coating/Painting	Accept		No	GOOD CONDITIONAINTED
V12	Expansion Joint or Bellows	N/A		No	
V13	Gauge/Site Glass	Accept		No	GOOD CONDITION
V14	Shell	Accept		No	GOOD CONDITION
V15	Jacket	N/A		No	
V21	Support Other (Please explain)	N/A		No	
V22	Foundation	Accept		No	METAL
V23	Anchor Bolts	N/A		No	
V24	Saddle/Skirt	Accept		No	SKIRT
V25	Davit	Accept		No	GOOD CONDITION
V26	Fireproofing	N/A		No	
V31	Connections Other (Please explain)	N/A		No	
V32	Small Branches	Accept		No	GOOD CONDITION
V33	Nozzles	Accept		No	GOOD CONDITION
V34	Manways	N/A		No	
V35	Reinforcing Pads	N/A		No	
V36	Inadequate Thread Engagement	N/A		No	
V37	Bolting	Accept		No	THREADS FULLY ENGAGED
V38	Flanges	Accept		No	GOOD CONDITION
V39	Leak Clamps	N/A		No	
V41	Insulation Other (Please explain)	N/A		No	
V42	Damage	N/A		No	
V43	Penetrations	N/A		No	
V44	Insulation Jacket	N/A		No	
V45	Banding	N/A		No	
V46	Seals/Joints	N/A		No	
V51	Relief Devices Other (Please explain)	Reject		Yes	SERVICED 06/29/2010
V52	Corrosion	N/A		No	
V53	Leaks	N/A		No	
V54	Restricted Inlet/Outlet	N/A		No	

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Date: 2016-01-25

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66102898


V55	Manual Operation Lever	N/A		No	
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DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

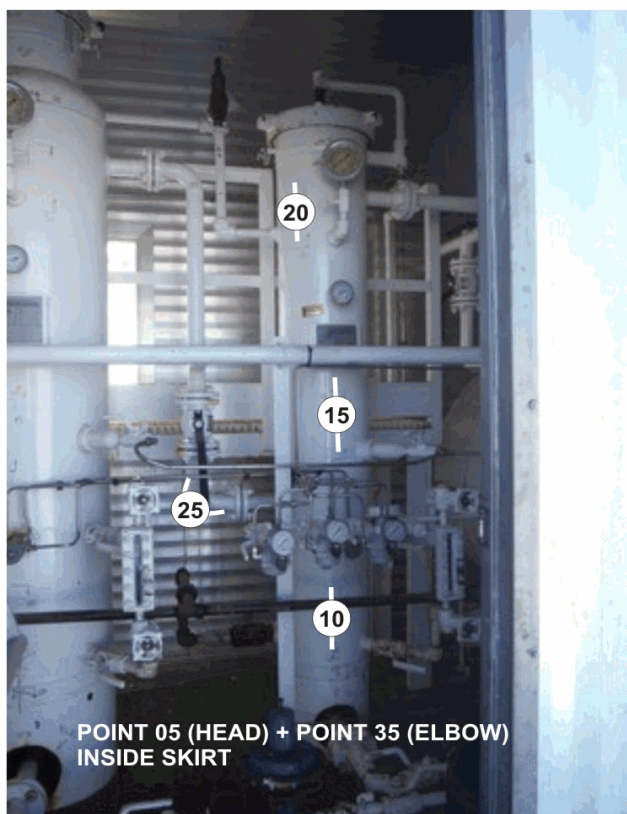
DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness (mm)	CURRENT READINGS (mm)	short term corr rate (mm/y)	long term corr rate (mm/y)	remaining life (year)	Survey Date	Comments
05 (HEAD)	0.005.2mm	9.02	0.0000	0.0000	198.0	2016/01/25	NO COMMENTS
10 (SHELL)	0.009.5mm	9.80	0.0000	0.0000	198.0	2016/01/25	NO COMMENTS
15 (SHELL)	0.009.5mm	9.70	0.0000	0.0000	198.0	2016/01/25	NO COMMENTS
20 (SHELL)	0.009.5mm	9.42	0.0000	0.0000	198.0	2016/01/25	NO COMMENTS
25 (90L 2 STD)	3.91	3.51	0.0268	0.0268	114.8	2016/01/25	NO COMMENTS
30 (90L 2 STD)	3.91	3.71	0.0134	0.0134	244.7	2016/01/25	NO COMMENTS
35 (90L 2 XS)	5.54	5.28	0.0167	0.0167	289.8	2016/01/25	NO COMMENTS

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Justin Orichowski		1	16325	01/25/2016	104_91638503_EPOCH4	06/27/2016	WQS UT-001

EXAMINATION ILLUSTRATION

DISTRICT:	SASK WEST	FACILITY:	ABERFELDY/NORTHMINSTER	LOCATION/LSD:	10-19-050-27W3
EQUIP NAME:	DRYER			PROV REG No.:	0465645
SERIAL No.:	42586-56	Equip No.:	66102898	National Board No.:	

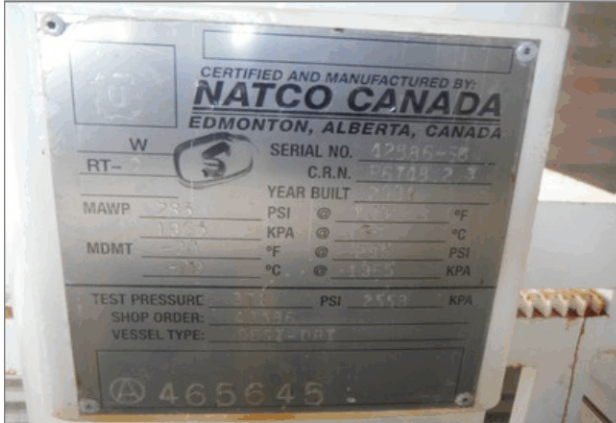


NOTES:

SK# A03739

PHOTOGRAPHS

EQUIP NAME:	DRYER	PROV REG No.:	0465645
SERIAL No.:	42586-56	Equip No.:	66102898
		National Board No.:	



NAMEPLATE



OVERALL



PSV



PSV TAG



SK#



NOTES:

SK# 03739

Luke Newport

From: David Nelson
Sent: Wednesday, 24 February, 2016 11:11 AM
To: Luke Newport
Cc: Conrad Hann; Martin Code; Benjamin King
Subject: RE: 10-19-050-27w3 Vessels in Service

Yes the two vessels are still on location but lease is not in service and is partially stripped.

Dave Nelson
Landrose Field Operator
HUSKY ENERGY INC
Ph: 780-205-3044
david.nelson@huskyenergy.com

From: Luke Newport
Sent: Tuesday, February 23, 2016 1:43 PM
To: David Nelson; David Sissons
Subject: 10-19-050-27w3 Vessels in Service

Good afternoon,

Can you confirm for me if the two Natco vessels are in service at 10-19-050-27w3.

The Natco serial numbers are 42586-55 and 42586-56.

If they are in service the PSV will need serviced and if there not the PSV's will need to be serviced before the vessels are put back into service.

Thanks for your help with this.

Luke Newport



Asset Integrity Inspector
Lloydminster HOG
Cell; (780)-872-8104
Office; (306)-820-4346
E-mail: luke.newport@huskyenergy.com