



Pressure Equipment Static Data
General Information

Date:	July 31, 2015		Location:	Surface:		
Client/Owner:				UWI/DH		
District/Region:			Location Access:	All Year		
Area:			Inspection Type:	<input type="checkbox"/> Inventory <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> UT <input type="checkbox"/> MT		
Facility:						
Pressure Equipment Information						
Equip Name:	LPG Bullet			CA (in):	N/A	mm:
Manufacturer:	Trinity Industries, Inc.			M DM T:	N/A	
Provincial #:	A0200342	Unit /Skid #:	N/A	PW HT:	N/A	
S/N:	114897	Equip #:		RT:	RT-4	Orientation: Horizontal
CRN:	E-3680.12345678	Year Built:		Manw ay:	Yes	Size (in): 16
Zones						
	MAWP (PSI)	MAWT (F)	MAWP (KPA)	MAWT (C)	Comment	
Shell Side:	250	125				
Tube Side:						
Coil 1: Coil						
2: Piping:						
	Flange Rating		MAWP (PSI)			
Components						
	Dia (OD) in.	Type	Material	Nominal (in)	Nominal (mm)	Comment
Shell: Head:	109.346	Plate	SA-516-70N	0.673		Material
Coil 1: Coil 2:	109.346	Hemispherical	SA-516-70N	0.387		assumed
Hdr Box (d x D):						Material
						assumed
		x				
Pressure Safety Valve(s)						
Zone:	Shell Side:			Shell Side:		Shell Side:
Equip #	HOP 6981			HOP 6982		HOP 6983
Location	Vessel - Threaded			Vessel - Threaded		Vessel - Threaded
Set Press (PSI)	250			250		250
Capacity	N/A	SCFM		N/A	SCFM	N/A
Set Press (KPA)						
Manufacturer	N/A			N/A		N/A
S/N	N/A			N/A		N/A
Model	N/A			N/A		N/A
Inlet Size (in)	2	Locked Open?		2	Locked Open?	2
Outlet Size (in)	N/A			N/A		N/A
Inlet I/V	Yes	Yes		Yes	Yes	Yes
Outlet I/V	-			-		-
Service Co.	Central Valve Services			Central Valve Services		Central Valve Services
Serv. Date	Sep-2010			Sep-2010		Sep-2010
PSV Service Rpt Reviewed:	N/A			N/A		N/A
Set (PSI)						
Pop (PSI)						
% Set Press						
Service Status and Conditions						
Status:	In Service		Service:	Sweet	Primary Contents -	LPG
			Concentration:		Shell: Primary Contents	
Comments						
- Tube:						
NB 145						



Pressure Vessel External Inspection

Date:	July 31, 2015		Equip Name:	LPG Bullet
Inspector:			Prov #: S/N:	A0200342
Client/Owner:			Unit /Skid #:	114897
District/Region:			Equip #	N/A
Area:			Surface: UW	
Facility:		Location:	I / DH:	
Com ponent	Condition	NCR	Com m ent	
Nameplate	Acceptable	<input type="checkbox"/>	Good condition. Securely attached, legible and all required information is present.	
Grounding	Acceptable	<input type="checkbox"/>	Vessel is grounded directly.	
Foundation/Supports	Acceptable	<input type="checkbox"/>	Vessel is well supported on saddles, no concerns noted.	
Ladder/Platform	N/A	<input type="checkbox"/>		
Insulation/Cladding	N/A	<input type="checkbox"/>		
Shell	Acceptable	<input type="checkbox"/>	Shell is in good condition, no concerns noted.	
Heads	Acceptable	<input type="checkbox"/>	Heads are in good condition, no concerns noted.	
Nozzles/Threadolets	Acceptable	<input type="checkbox"/>	Threaded nozzles are in good condition, all appear to have proper thread engagement. No concerns noted.	
Piping/Valves	Acceptable	<input type="checkbox"/>	All associated piping is in good condition. No leaks or other concerns noted.	
Appurtenances & Instrumentation	N/A	<input type="checkbox"/>		
Sight Glass/Level Gauges	N/A	<input type="checkbox"/>		
Other	N/A	<input type="checkbox"/>		
PSV	Acceptable	<input type="checkbox"/>	PSV is in good condition. Service seal is intact, no piping restrictions or other concerns noted. PSV has CRN and applicable code stamping present.	
NDE Methods	Acceptable	<input type="checkbox"/>	UT survey performed by Avalanche.	
		UT Survey Reviewed:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Comments:	No concerns at this time.	
Inspection Summary	No concerns noted at time of inspection.			
Recom m endations			NCR #	
Review PSV service report.				

Fit for Service:	Yes	
Inventory Status:	In Service	
Recommended Intervals:		Cert #
VE	5 yrs	API 510: 57073
UT	5 yrs	AB/SK: 889
PSV	5 yrs	
		Signature of Inspector:

PHOTOS



LSD Sign



Site Overview



Nameplate



A#



Overview

PHOTOS

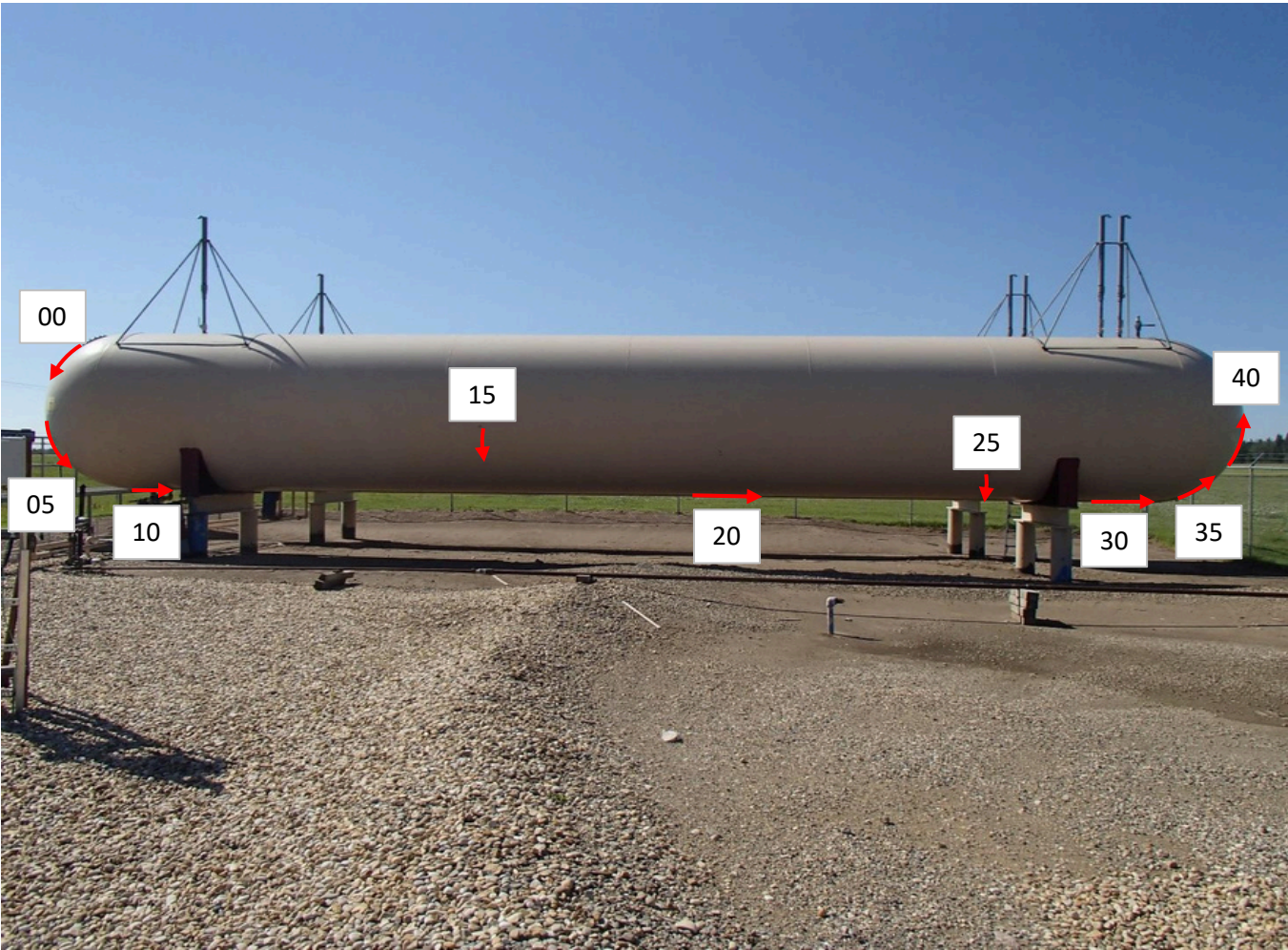


PSV Overview



UT CORROSION SURVEY REPORT

STATIC DATA																
Date:		July 31, 2015					Equip. Name:		LPG Bullet							
Client/Owner:		Harvest Operations Corp.					Provincial #:			A0200342			Equip #:		N/A	
District:		Willesden Green-Hunt					Manufacturer:			Trinity Industries, Inc.			CRN:		E-3680.12345678	
Area:							Year Built:			1983			S/N:		114897	
Facility:							RT (Joint Eff):			RT-4			CA:		N/A in	
Location/LSD:		SF:					UWI/DH:									
Shell:	MAWP	250	PSI	MAWT	125	F	Dia (OD)	109.346	in	Material	SA-516-70N		Nominal	0.67		
Head:	MAWP	250	PSI	MAWT	125	F	Dia (OD)	109.346	in	Material	SA-516-70N		Nominal	3		
Coil:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal	0.38		
Hdr Box:	MAWP		PSI	MAWT		F	d x D (in)			Material			Nominal	7		
TS Shell:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal			
TS Head:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal			
Shell 2:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal	0.67		
Head 2:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal	0.67		
Coil 2:	MAWP		PSI	MAWT		F	Dia (OD)	in		Material			Nominal	0.38		
Notes:																





UT CORROSION SURVEY REPORT
READINGS

Date:	July 31, 2015	Area:		Equip Name:	LPG Bullet	Equip #:	N/A
Client:		LSD:		Prov #:	A0200342	S/N:	114897


VESSEL TMLS														
TML ID	Baseline		Previous		Current									
	1983		1983		2015									
	LOW	AVG	LOW	AVG	LOW	AVG	SIZE (OD)	NOM	STCR (/YR)	LTCR (/YR)	Tmin	RL (YRS)	% Loss	Component
00	0.387	0.387	0.387	0.387	0.434	0.445	109.346	0.387	N/A	0.0000	0.457	50.0	0.00%	Head - Hemispherical
05	0.387	0.387	0.387	0.387	0.418	0.423	109.346	0.387	N/A	0.0000	0.457	50.0	0.00%	Head - Hemispherical
10	0.673	0.673	0.673	0.673	0.710	0.716	109.346	0.673	N/A	0.0000	0.917	50.0	0.00%	Shell
15	0.673	0.673	0.673	0.673	0.707	0.708	109.346	0.673	N/A	0.0000	0.917	50.0	0.00%	Shell
20	0.673	0.673	0.673	0.673	0.698	0.704	109.346	0.673	N/A	0.0000	0.917	50.0	0.00%	Shell
25	0.673	0.673	0.673	0.673	0.681	0.691	109.346	0.673	N/A	0.0000	0.917	50.0	0.00%	Shell
30	0.673	0.673	0.673	0.673	0.687	0.693	109.346	0.673	N/A	0.0000	0.917	50.0	0.00%	Shell
35	0.387	0.387	0.387	0.387	0.394	0.397	109.346	0.387	N/A	0.0000	0.457	50.0	0.00%	Head - Hemispherical
40	0.387	0.387	0.387	0.387	0.413	0.427	109.346	0.387	N/A	0.0000	0.457	50.0	0.00%	Head - Hemispherical

Comments:	



UT CORROSION SURVEY REPORT
READINGS

Notes:
*All readings are in inches.
*RL maximum is 50 years.
*% Wall loss is based on current low vs nominal.
*Baseline is based off nominal if no previous readings available and started in year equipment was fabricated, unless other information is available to prove in-service date.
*Previous readings taken from baseline if no past readings/survey data are available.
* If no corrosion comments are made on piping, general low thickness was noted.

Inspector:	Chad Oakes	CGSB Certifications:
Signature:		16755 UT I / MT II