



111, 4808 - 87 Street, Edmonton, Alberta T6E 5W3
 Phone: (780) 469-2401 Fax: (780) 468-2422

Report No: DH000047

Client	Harvest Operations Corporation	Inspection Date	Mar 2, 2009		
Prov. Reg. #	AB 2910927	Inspection Type	VE / UT		
Equipment	Glycol Contactor	LSD	11-06-071-11W4		
Tag/Equip. #		Location	Piche		
Status	In Service	Area			
Manufacturer	ALCO Gas & Oil	Comp/Unit			
Serial Number	93C-5030-01	Service	Sweet		
CRN #	M1842.2	Year Built	1993		
Unit Name		Manway	None		
Nat. Board #:		Coating			
Next Inspection	2013	Next Insp Type	VE / UT		
Length		Height	300 in		
Volume		RT	2	HT	
Job No.	09-0096	Owned By			
Foreman					
ABSA	Plant: H	Vessel: P	Process: G	Special: B	ASME Sec. VIII div. 1
History Log					

Component	Vertical Shell				
MAWP	1650 PSI @ 150 °F		MDMT	-20 °F @ 1650 PSI	
Material	SA-516-70N	Material Thickness	1 in		
Diameter	20 in	Length			
Corrosion Allowance	0.063 in				



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Tag No.	450	Relief Type	Pressure Safety Valve
Serial Number	39659-A10	Set Pressure	1650 PSI
Model	26A14-120/56	Capacity	6467 SCFM
Manufacturer	Farris	Last Service	Apr 1, 2005
Service Co.		Next Service	2009
CRN	OG-02869.5C	Service Interval	
ASME Stamp	UV	Inlet Size	1.5 in
NB Stamp	YES	Outlet Size	2 in
Relief Dest.	To Atmosphere	Connection	Flanged
Valve Loc.	On Vessel		
Comments	The PSV was located on the vessel and vents to atmosphere.		

Component	Bottom Head		
Material	SA-516-70-N	Material Thickness	1.125 in
Corrosion Allowance	0.063 in		

Component	Top Head		
Material	SA-516-70N	Material Thickness	1.125 in
Corrosion Allowance	0.063 in		

Comments

The vessel is located at Harvest Operations Corp LSD: 11-06-71-11W4

Building Observations

The building was generally in good condition and well supported. The checker plate steel floor was clean and in good condition. The building was well lit. The doors and windows functioned well and were in good condition. The cladding was generally in good condition with small dents throughout. There were no combustibles in the building. There was generally good access to the equipment in the building.



Figure: 1



Building

Piping Observations

The attached piping was generally in good condition. The piping was sufficiently supported. There was no damage, distortion or stress evident on the piping. The piping was painted and the paint was generally in good condition. The main and drain piping had flanged connections and showed no signs of leakage. The flanges were fully bolted together and did not show any missing bolting. The instrumentation piping had threaded connections, and showed no signs of leakage. Flow direction was indicated.

PSV Observations

The PSV was securely attached to the piping and in good condition. The PSV outlet piping provided positive drainage for the valve. The vent size was adequate and vent lines were positioned safely. The valve was mounted in the vertical position. The seal wire was securely attached and in good condition. The nameplate was securely attached and legible. The service tag was securely attached. The set pressure was acceptable for the vessel. The PSV was last serviced in April 2005.

Figure: 2



PSV



External Observations

The nameplate was legible and securely mounted to the vessel. The vessel was identified as per the A-number on the nameplate. The vessel was painted and the paint was in good condition. The heads, shell, nozzles and bolting appeared to be in good condition. There was no damage or distortion evident on the vessel surface. There was no stress evident on piping or nozzle connections. The vessel was adequately supported. The vessel had flanged connections, with no evidence of leakage at the piping connections. The gauges were in good condition. The vessel was vertical and mounted on a skirt that was bolted to the floor with 4 bolts. There was limited access to the bottom head through the skirt of the vessel. There were no structural attachments fixed to the vessel. The roof seal was in good condition showing no signs of leaks.

Figure: 3



Vessel Mid Shell View

Figure: 4



Vessel Lower Shell & Bottom Head View

Figure: 5



Vessel Top View

Figure: 6



Nameplate

Internal Observations

No internal inspection was performed at this time.

UT1 Observations



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See Appendix 1.

General Observations

The vessel is located at Harvest Operations Corp LSD: 11-06-71-11W4. The temperature gauge was reading +15 degrees Celsius at the time of inspection.

Recommendations

1. The PSV is due for service. After the PSV is serviced please forward a copy of the service report to RAE Engineering for review.
2. The vessel is otherwise fit for service.

Inspector: Dallas Heemeryck



Trevor Paananen
IBPV INSPECTOR
ABSA Certificate # 107

Reviewer: Trevor Paananen