

Field Inspection Report - Long_Run 3162251_05/13/2012_VT_Internal

Vessel Number	3162251	Vessel Name	GLYCOL REBOILER	Province	Alberta
District	NORTHERN - AB	LSD	03-26-074-01W6	Location	PUSKWASKAU
Method	VT	Access	Internal	Cleaning	Poor
Inspection Date (mm/dd/yyyy)	05/13/2012	Inspection Interval (months)	12	Next Inspection (mm/dd/yyyy)	05/13/2013
CRN	N1350.2	Skid Number	PKG62777	Service	
Internal Access	Yes	Internal Coating	No	Status	In Service
MAWP (PSI)	110.52	MAWP (kPa)	762	Outstanding NCRs	0
MAWT (°C)	260	MAWT (°F)	500		

General

Reboiler was washed and cleaned during outage prior to Galleon purchasing from Devon. 12 month interval assigned as per operations request. They have noted issues in the past years and choose to take it down each year for inspection. Previous issues are believed to be a nozzle replacement in 2010, and weld build up of shell in 2011.

Safety Valves

PSV NONCODE Shell side. Set pressure: 0 PSI / 0 KPa. MAWP: 110.52 PSI / 762 KPa. Capacity: 0 SCFM / 0 m3/min.

PSV NONCODE Tube side. Set pressure: 0 PSI / 0 KPa. MAWP: 169.99 PSI / 1172 KPa. Capacity: 0 SCFM / 0 m3/min.

External Condition

All visible shell surfaces and nozzles appear in good condition. Name plate is intact and legible. Vessel supports, foundation, electrical grounding and external clad insulation appear good. Associated piping, supports and components appear in good condition and alignment with no signs of leaks or defects present at the time of inspection. No evidence of short studding or nut rounding at time of inspection.

. Verify vessel has Alberta CRN and A# stamping,

Internal Condition

-Shell of reboiler appears good where visible. Access is limited due to design, and cleaning was less than required for proper visual inspection.

-Bundle of reboiler was removed and washed. Cleaning was mediocre but surfaces where seen appeared good. 4 tubes were plugged off, and were to be recleaned to open them up. Tubesheet appears to be sound.

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- Still column visually shows signs of corrosion, although measurements were not attainable due to design. Monitor at next outage to ensure damage has not progressed.
- Stainless coil is not removable, but appears sound from the nozzle opening.
- Channel head was removed and cleaned. All visible surfaces appear sound with no deterioration noted at time of inspection.

Recommendations

- Monitor the still column for further wall loss.
- Internally inspect again in 12 months as requested by operations due to previous operating and damage issues.
- Properly clean vessel shell, and bundle. Ensure tubes are cleaned thoroughly.

Suitable to be returned to Service	Yes	Suggested Inspection interval (Months)	12
Repairs are still required	No		
Doug Gohmann, MWS Inspector	Signature		05/13/2012 Date (mm/dd/yyyy)

Pictures



GUD - 3162251 - BUNDLE 2012.jpg



GUD - 3162251 - CHANNEL 2012.jpg

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GUD - 3162251 - STILL INTERNAL 2012.jpg



GUD - 3162251 - REGENERATOR INTERNAL
2012.jpg