

Field Inspection Report - Long_Run 3162196_11/07/2013_VT_Internal

Vessel Number	3162196	Vessel Name	LOW TEMP SEPARATOR	Province	Alberta
District	NORTHERN - AB	LSD	03-26-074-01W6	Location	PUSKWASKAU
Method	VT	Access	Internal	Cleaning	Good
Inspection Date (mm/dd/yyyy)	11/07/2013	Inspection Interval (months)	60	Next Inspection (mm/dd/yyyy)	11/07/2018
CRN	N1348.2	Skid Number	PKG62777	Service	SWEET
Internal Access	No	Internal Coating	No	Status	In Service
MAWP (PSI)	1320	MAWP (kPa)	9101.14	Outstanding NCRs	0
MAWT (°C)	66.11	MAWT (°F)	151		

General

The vessel was blinded, 8" hand hole was opened and cleaned for internal inspection as part of the 2013 T/A. Vessel is indoors and painted with insulation and clad for thermal conservation. Limited inspection was conducted from 8" hand hole.

Ultrasonic corrosion survey was completed on this piece of pressure equipment and associated piping in 2011 and will be completed again in 2016

PSV protecting the vessel was serviced during this T/A.

RT-1.
PWHT - Yes.
CA = .0625"
See attached pictures.

Safety Valves

PSV P99578 Shell side. Set pressure: 1320 PSI / 9101.14 KPa. MAWP: 1320 PSI / 9101.14 KPa. Capacity: 21007 SCFM / 594.85 m3/min.

External Condition

All visible shell surfaces and nozzles appear in good condition. Name plate is intact and legible. Vessel supports, foundation, and electrical grounding appear good. 2 saddles supporting vessel are tight on both ends. Exterior surface is painted and then insulated and clad for temperature conservation. Cladding has some punctures in the top from something and caps on the ends appear loose. Associated piping, supports and

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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. Verified PSV protection and PSV is properly installed with any block valves locked/sealed open. Verified vessel has Alberta CRN and A# stamping, PSV has correct code stamp, set pressure and MWS tagging, and was last serviced within the required interval guidelines

Internal Condition

Vessel not internally coated. Internals were not very clean for inspection. Inspection to be conducted with both digital camera and borescope. Pictures were taken of all internal locations assessable with a camera and viewed on computer to see if there was any areas of concern that required follow-up with the borescope. Found there were no obvious areas of concern all the circs, longs, attachment and Cat. D welds appear in good order. Fillet welds for weir are good. Appears as if a section of the weir was not installed or removed once in service as there was an area that the studs were there, but no plate. The bolts are all in place and tight. Cover, and gasket faces are in good condition and working order.

Recommendations

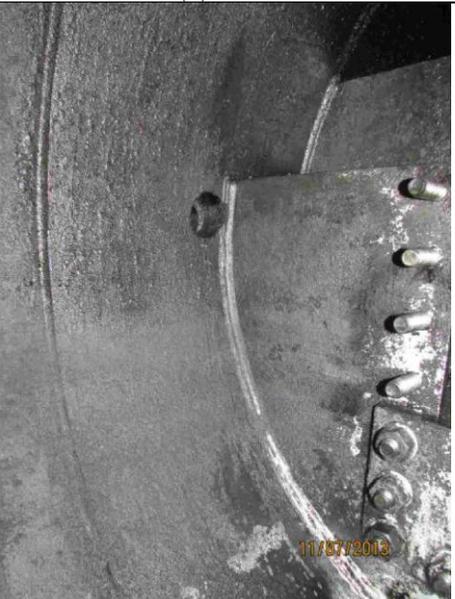
Maintain on stream Ultrasonic Corrosion survey monitoring of the vessel components and associated piping. Internally inspect again in 5 years.

The above recommendations have been reviewed with operations prior to closure.

Suitable to be returned to Service	Yes	Suggested Inspection interval (Months)	60
Repairs are still required	No		
Daryl Cole Cert 000391 Inspector			11/11/2013 Date (mm/dd/yyyy)
		Signature	

Pictures

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<p>LRE - 3162196 LP SEPARATOR EXT. 11-07-13 (1).JPG</p>	<p>LRE - 3162196 LP SEPARATOR INT. 11-07-13 (1).JPG</p>
	
<p>LRE - 3162196 LP SEPARATOR INT. 11-07-13 (3).JPG</p>	<p>LRE - 3162196 LP SEPARATOR INT. 11-07-13 (4).JPG</p>