

Pressure Vessel Visual Inspection Report

Equip Id 62066206 **SAP ID** 62066206 **Asset Type** Treater
Plant Lloydminster Production **Unit** H1-01-006 MORGAN **System** 00002 MORGAN
10-34-051-04W4
TREATING
FACILITY
Description TREATER, H-100
FLOC H1-01-006-00002 **LSD** 10-34-051-04W4
Insp Date Jun 17, 2016 **Inspector** Ray Trachuk **Insp Type** VIExt
Company Inspector-Lead **Confidence** Medium

Details

ID	Description	Condition	Location	NCR	Comment
V6	Ladder/Stairway	Fair			Acceptable
V7	Heads	Fair			Acceptable
V9	Electrical Ground	Yes			Ground thru building skid and piles.
V12	Expansion Joint or Bellows	Yes			Acceptable
V14	Shell	Fair			Acceptable
V22	Foundation	Fair			Acceptable
V23	Anchor Bolts	Yes			Acceptable
V24	Saddle/Skirt	Fair			Saddles - Acceptable
V31	Connections Other (Please explain)	Fair			Associated Piping - Acceptable
V33	Nozzles	Fair			Acceptable
V34	Manways	Fair			Acceptable
V37	Bolting	Fair			Acceptable
V38	Flanges	Fair			Acceptable
V41	Insulation Other (Please explain)	Fair			Acceptable
V51	Relief Devices Other (Please explain)	No			Burst Plate

Summary

An external and internal visual inspection was performed to verify the vessels integrity. Generally the treater is considered to be in fair condition although some immediate repairs are required to the fire tubes.

The vessel is insulated with cladding covering the insulation. There were no concerns noted with the cladding at time of inspection.

The nameplate, piping, bolting and external attachments are in fair condition.

The vessel is protected by a burst palte and not a PSV.

The gauges are clear and in good condition.

The saddles and supports are in good condition.

See attached Internal Visual Inspection report for additional details and recommendations.

cc: Marc Case. Jessica Derouin, Lyle Nervas

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Insp Date Jun 17, 2016 **Inspector** Ray Trachuk **Insp Type** VIIInt
Company Inspector-Lead **Confidence** Medium

Details

ID	Description	Condition	Location	NCR	Comment
V2	Corrosion (depth, length, width)	Yes			On internal piping - see attached photos.
V7	Heads	Fair			Acceptable
V8	Welds	Fair			Acceptable
V9	Nozzles	Fair			Acceptable
V10	Shell	Fair			A few couplings have not been backwelded - left as is. In addition a few "dog" marks were observed some up to .040" deep. These are believed to be from original fabrication and were left as is.
V11	Gasket Surfaces	Fair			Acceptable
V21	Internals Other (Please explain)	Fair			Supports, internal piping etc. - Acceptable
V23	Baffle/Wier	Fair			Acceptable
V31	Tubes	Poor			17 feet of the burner side of the fire tube had to be replaced due to it being bowed.
V32	Tubesheet	Fair			Acceptable

Summary

Generally the internal surfaces appear to be in fair to good condition.
There were some scattered pitting observed on the fire tube throat measuring up to .100" deep, these were left as is.
There was also some minor pitting observed on the vessels internal piping. See attached photos.
The baffles, supports etc. were considered to be in fair to good condition.
A few couplings have not been backwelded and were left as is. In addition a few "dog" marks were observed some up to .040" deep. These are believed to be from original fabrication and were left as is. See attached photos.
Approximately 17 feet of the burner side of the fire tube had to be replaced due to it being bowed. Thus repair was completed by L&L Oilfield of Lloydminster.

Recommendations:
Monitor the pitting at next scheduled inspection.
Complete MPI examination on the fire tube welds at next scheduled turnaround.

cc: Marc Case. Jessica Derouin, Lyle Nerbas



62066206 Equipment Detail

Plant	Lloydminster Production	Unit	H1-01-006 MORGAN	System	00002 MORGAN 10-34-051-04W4 TREATING FACILITY
SAP ID	62066206	Equip Id	62066206	Asset Type	Pressure Vessel
Description	TREATER, H-100				
Manuf.	COLT	Serial #	H-100	Year Built	
Const Code		Int.Access		Prov #	
Cost Ctr		FLOC	H1-01-006-00002	LSD	10-34-051-04W4
Time Based	Y	Opt RI Grp	PresVes Grade 2b	CRN	
User Status	ISF	Sys Status	INST	Active	Y

Equipment Protection

Inspections

Insp Type	Method	Insp Date	Inspection	Company	Confidence
VIExt		Jun 17, 2016	Ray Trachuk	Inspector-Lead	Medium
VIInt		Jun 17, 2016	Ray Trachuk	Inspector-Lead	Medium
VIExt		Oct 07, 2011	Ray Trachuk	Husky Energy	
VIInt		Oct 07, 2011	Ray Trachuk	Husky Energy	High

Inspection Plan

Planned By: Ray Trachuk **Planning Date:** Jul 14, 2016

Dmg Mech	Method	Due Date	Freq	SAP Not #	SAP W.O. #
Internal Corrosion	VI-Ext	Jun 16, 2021	5		
Internal Corrosion	VI-Int	Jun 16, 2021	5		







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