

Pressure Vessel External Visual Inspection Report



Organization: Husky

Inspection Date: 23/07/2014

Plant: Lloydminster Production

Equipment ID: 66160151

Asset No:

System: 00006-100003 102/14-18-050-06W4

Operating Unit: H1-01-004 MANNVILLE/SWIMMING

Background

Description:	KNOCK OUT, FWKO, 8" X 20", 75 PSI
Asset Type:	Knock Out

Inspection

Inspector:	Ray Trachuk	Company:	Husky Energy	Insulated:	Y
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External Location Categories

Barrier Penetrations:	0	Damaged Insulation:	0	Vessel Supports:	0	Insulation Rings:	0
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Internal Location Categories

Erosion Zones:	0
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Inspection Comments

ID	Description	Condition	Location	NCR	Comments
V7	Heads	N/A			Not visible - covered with urethane insulation.
V9	Electrical Ground	Yes			Grounded thru piles - Acceptable
V11	Coating/Painting	Fair			Acceptable
V13	Gauge/Site Glass	Fair			Acceptable
V14	Shell	N/A			Not visible - covered with urethane insulation.
V22	Foundation	Fair			Vessel is set on piles - Acceptable
V24	Saddle/Skirt	Fair			Saddles - Acceptable
V31	Connections Other (Please explain)	Fair			Associated Piping - Acceptable
V37	Bolting	Fair			Acceptable
V41	Insulation Other (Please explain)	Fair			Sprayed on Urethane Foam - some blistering/disbonding observed.

Pressure Vessel External Visual Inspection Report

ID	Description	Condition	Location	NCR	Comments
V51	Relief Devices Other (Please explain)	Yes			Being serviced at time of inspection.

Inspection Summary

External and internal visual inspections were completed verify the vessels integrity. Generally the FWKO is considered to be in fair condition although some immediate internal coating repairs are required.

The vessel is insulated with sprayed on Urethane Foam with some blistering/disbonding observed.

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

The PSV protecting the vessel was out for servicing at time of inspection.

The gauges are clear and in good condition.

The saddles and supports are in good condition.

Recommendation:

Monitor the condition of the blistered/disbonded areas of insulation to ensure no moisture is allowed to enter and cause CUI (Corrosion Under Insulation).

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

cc: Larry Swerid, Marshall Stasiuk

Pressure Vessel External Visual Inspection Report

Inspection Planning

Date of Inspection: _____ Date of last Inspection: _____ Date of Next Inspection: _____

The signature below certify that the above is a true report of the inspection / test of the equipment specified and consider fit for service until the date of next inspection.

Competent Inspector: _____ Report Generation Date: _____

Reviewed and Accepted by:

Next Inspection Date: 2018

Approved by:

Signature: Ray Trachuk Date: 2014-09-23

Signature: _____ Date: _____

Pressure Vessel Internal Visual Inspection Report



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Background

Description:	KNOCK OUT, FWKO, 8" X 20", 75 PSI
Asset Type:	Knock Out

Inspection

Inspector:	Ray Trachuk	Company:	Husky Energy	Internal Lining/Coating:	Y
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Inspection Comments

ID	Description	Condition	Location	NCR	Comments
V2	Corrosion (depth, length, width)	No			None observed.
V7	Heads	Fair			Acceptable
V8	Welds	Fair			Acceptable
V9	Nozzles	Fair			Acceptable
V10	Shell	Fair			Acceptable
V11	Gasket Surfaces	Fair			Acceptable
V21	Internals Other (Please explain)	Fair			Desand Piping - Acceptable
V23	Baffle/Wier	Fair			Acceptable
V27	Nonmetallic Linings	Fair			A few minor coating repairs required - completed by Terry Ermel (Doug's Well Servicing of Wainwright)

Pressure Vessel Internal Visual Inspection Report

Inspection Summary

Generally the internal surfaces and componets appeared to be in fair condition and suitable for continued service although there were a few locations on the internal coating that had been damaged and required immediate repairs. These locations were repaired by Terry Ermel of Dougs Well Servcing from Wainwright. The internal baffles and desand piping appeared to be in fair condition although it should be noted that there was still some sand etc. piled up behind the baffles which was limiting a complete inspection.

Recommendations:

Monitor the condition of the coating at next scheuled inspection.

Ensure the vessel is thoroughly cleaned at the next scheduled inspection.

cc: Larry Swerid, Marshall Stasiuk

Pressure Vessel Internal Visual Inspection Report

Inspection Planning

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Competent Inspector: _____ Report Generation Date: _____

Reviewed and Accepted by:

Next Inspection Date: 2018

Approved by:

Signature: Ray Frachuk Date: 2014-09-22

Signature: _____ Date: _____