

Storage Tank External Visual Inspection Report



Organization: Husky	Inspection Date: 23/07/2015 12:00:00AM
Plant: Lloydminster Production	Equipment ID: 62037429
	Asset No: 62037429
	System: 00006 HUSKY VERMILION BATTERY 14-
	Operating Unit: H1-01-004 MANNVILLE/SWIMMING

Background

Description:	TANK, UNIVERSAL 160M3
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Inspection

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

Barrier Penetrations:		Damaged Insulation:		Shell to Floor Joint Insulated:		Insulation Rings:	
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Inspection Comments

ID	Description	Condition	Location	NCR	Comments
T2	General Corrosion	Yes			Surface rust on exposed areas of the tank shell.
T6	Ladder/Stairway	Fair			Acceptable
T7	Platform	Fair			Acceptable
T8	Electrical Ground	Yes			Acceptable
T11	Coating/Painting	Fair			Acceptable
T14	Secondary Containment	Yes			Steel containment c/w liner - Acceptable
T15	Shell	Fair			Acceptable
T16	Roof	Fair			Acceptable
T32	Foundation	Fair			Tank is set on timbers - Acceptable
T41	Connections Other (Please explain)	Fair			Associated Piping - Acceptable
T61	Insulation Other (Please explain)	Fair			Acceptable

Storage Tank External Visual Inspection Report

Inspection Summary

Generally the tank is considered to be in fair condition although some immediate repairs are required prior to re-commissioning the tank.

The tanks external surfaces were visually inspected and found to be in fair condition although exposed areas of the tank shell were found to be rusted.

The insulation was found to be in fair condition with no concerns noted.

The tank base is in fair condition with no concerns noted at time of inspection.

The tank is set on timbers inside a steel containment.

The tank's associated piping was found to be properly aligned and well supported.

Recommendations:

Repainting the exposed areas of the tank shell to keep the exposed surfaces from rusting should be considered.

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

cc: Marshall Stasiuk

Storage Tank 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: 2020 _____

Approved by:

Signature: Ray Trachuh _____ Date: 2015-07-27 _____
Signature: _____ Date: _____

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Background

Description:	TANK, UNIVERSAL 160M3
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Inspection

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

ID	Description	Condition	Location	NCR	Comments
V2	Corrosion	Yes			Underside of tank floor and lower shell.
V7	Welds	Fair			Acceptable
V8	Nozzles	Fair			Acceptable
V9	Shell	Fair			Some distortion observed below the Northeast 4" nozzle (blinded) - leave as is and monitor at next scheduled inspection.
V10	Roof	Fair			Acceptable
V21	Internals Other (Please explain)	Poor			The tank's fire tube was found to be bowed and must be repaired.
T11	Floor	Fair			Acceptable

Storage Tank Internal Visual Inspection Report

Inspection Summary

Generally the internal surfaces and components of the tank appeared to be in fair condition with exception to the fire tube which found to be bowed and in need of repair. In addition the tank shell was found to be distorted below the Northeast 4" nozzles (blinded).

Random locations of the tank's floor and lower shell were UT thickness tested with some minor metal loss identified. The lowest thickness identified was found to be 0.199". See attached sketch for thicknesses found and approximate locations of tests.

Recommendations:

Repair/replace the fire tube as required.

Monitor the distortion observed on the tank shell at next scheduled inspection.

Continue the UT thickness survey on the tank floor and lower shell at next scheduled inspection.

cc: Marshall Stasiuk

Storage Tank Internal Visual Inspection Report

Inspection Planning

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Reviewed and Accepted by:

Next Inspection Date: 2020 _____

Approved by:

Signature: Ray Trachuk _____ Date: 2015-07-27
Signature: _____ Date: _____

LOCATION Vermilion
14-18 Battery DATE 2015-07-23 MFG UIL
YEAR 2002 S/N 02-03-19-11697 CAP 1000 BBL AFE/CC 80025575
FLOOR THK 1/4" SHELL THK 1/4", 3/16" ROOF THK 3/16"
SAP # 620374329

