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TANK INSPECTION REPORT

Inspection Report

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Notification Number 6066309 Work Order 6068989
 Notification Desc TANK, UNIVERSAL 160M3 Maintenance Plan QNATANK10198
 Tasklist Operation (6Y Inspection Interval) 6Y Code Inspection Tank 400 to 1000 bbl,

Equipment Static Data

Equipment Number 62037250 Equipment Description TANK, UNIVERSAL 160M3
 Class TANK Tag Number T-100
 Serial Number 11513 Year Built 2001
 Manufacturer UNIVERSAL
 Location L7-01-004-00031 Location Description 102/14-12-045-01W4/00 SWB
 Provincial Number PM Activity Code
 Status Codes NOPR ORAS Equipment Status In Service - Fully Utilized

Design Max Temp 93 CEL Design Min Temp -13 CEL Design Standard
 Enviro Vault Exists NO Fabrication Type Firetube Exists Y
 Fluid Description OIL & WATER Fluid Service SWEET Insulation Exists Y
 Internal Coating Exists N Number of Walls SINGLE Secondary Containment
 Skidded Flag Tank Service Date Tank Type SURFACE
 Volume 160.00 M3

PRD Static Data

Equip ID	Location	Size		Set Pressure	Capacity	Manufacturer	Serial Number	Model Number	Next Service Date
		Inlet	Outlet						

Process Data

Product Description OIL Fluid Service ☒ Sweet ☐ Sour PPM
 Operating Pressure KPA Operating Temperature °C

Pressure Test

Test Completed ☐ Yes ☒ No Test Acceptable ☐ Yes ☒ No Test Report #.

PSV Data

Tag/Serial No.	Location	Size		Set Pressure	Capacity	Model / Type	Service Date
		Inlet	Outlet				

Inspection History

Inspected By RAY TRACHUK Inspection Date 2008.07.30

Inspection Summary

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

Recommendations

Repair/replace the firetube.
 Replace the rubber fuel gas supply hose with hard pipe or tubing.
 Remove the dirt gravel etc. from the tank floor lip.
 Continue the UT thickness survey on the tank floor and lower shell at next scheduled inspection.

Repairs Completed**Equipment Status**Integrity Status ☐ Suitable for Continued Service ☒ Immediate Repairs Required ☐ Replace☐ Future Repairs RequiredInventory Status ☒ In Service - Fully Utilized☐ Idle☐ Surplus☐ Scrap**QA Activities**☐ Leave As-Is☐ Weld Overlayed☒ Part / Component Replaced☐ Equipment Replaced☐ Grind Dressed☐ Patch Installed☐ MAWP Derated☐ Coating - Cleaned & Patched☐ Coating - Removed & Replaced☐ Defect Removed & Rewelded☐ Part Cleaned☐ Lapped & Dressed☐ Epoxy Patched**Noncompliances or Inspection Deficiencies Issued****External Visual Inspection**

The tanks external surfaces were visually inspected and found to be in fair condition.

The tank base is in fair condition although some dirt gravel etc. was found on the tank floor lip.

The line supplying fuel gas to the fire tube burner does not meet Husky Piping Specs.

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

External NDE Examination**Internal Visual Inspection**

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 collapsed and in need of repair.

Internal NDE Examination

Random locations of the tank's floor and lower shell were UT thickness tested with some significant metal loss identified. See attached sketch for thicknesses found and approximate locations of tests.

Data Integrity**Inspection Interval**

Due to metal loss identified on the floor the inspection interval should be remain to five years (60 months).

cc: Larry Kingswood

Damages**Inspector Certification**

I, the undersigned certify that the above equipment has been inspected in accordance with the assigned task list and that statements within this report are correct and represent inspection findings.

Inspector Name RAY TRACHUK Inspector Signature

Inspection Company HUSKY ENERGY Date

Ray Trachuk
2008-07-31

Lead Inspector's Acceptance & Schedule Confirmation

Lead Inspector RAY TRACHUK

Signature *Ray Trachuk* Date 08-07-31

Vessel Inspection Interval

☒ Leave as-is / Change to: *5yr*

PSV Inspection Interval

☐ Leave as-is / Change to:

LOCATION 14-12-45-1W4 DATE 2008.07.23 MFG Universal
 YEAR 2001 S/N 01-04-25-11513 CAP 1000 BBL AFE/CC 71122
 FLOOR THK 1/4" SHELL THK. 1/4", 3/16" ROOF THK. 3/16"
 SAP # 62037250

