



704T

RAE Inspection Service (1979) Ltd.
 #111, 4808 - 87 Street, Edmonton, Alberta T6E 5W3
 Phone: (780) 469-2401 Fax: (780) 468-2422

Excel ✓ Not in forms
18263

Tank Inspection Report
 Tank ID#

ABOVE GROUND STORAGE TANK IDENTIFICATION

OWNER	CNRL	RAE JOB#	01-145
LOCATION	Wolf Lake	Date of Inspection	2001/03/19
LSD	10-8-66-7W4	Next Inspection	2003/03
SERVICE	<input type="checkbox"/> Oil <input type="checkbox"/> Produced Water <input type="checkbox"/> Sour <input type="checkbox"/> Condensate <input type="checkbox"/> Water <input type="checkbox"/> Pop Tank <input type="checkbox"/> Other		
MANUFACTURER	Mocoat	SKID MOUNTED	<input type="checkbox"/> No
VOLUME	500	INTERNALLY COATED	<input type="checkbox"/> No
TYPE	<input type="checkbox"/> Other	IN OPERATION	<input type="checkbox"/> Yes

TANK STATIC DATA

TAG NUMBER	704T	SERIAL NUMBER	
SHELL MATERIAL	Fiber Glass	THICKNESS	
FLOOR MATERIAL	Fiber Glass	THICKNESS	
DECK MATERIAL(ROOF)	Fiber Glass	THICKNESS	
CORROSION ALLOWANCE		DIAMETER	12'
YEAR BUILT	1984	HEIGHT	20'

OTHER

SIZE of CONTAINMENT (length x width x height)	<input type="checkbox"/> Dirt <input type="checkbox"/> Lining <input type="checkbox"/> Sand <input type="checkbox"/> None <input type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other None	EXTERNAL CATHODIC PROTECTION	Invest
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Observations:

Equipment ID - BP Exploration Canada
 50m3 closed top storage tank.

W.O.#

P.O - 7056-14-029 W.O.# 2573
 Service - Saturated Brine Storage Ofr. Temperature: Ambient
 Design Pressure: Atmosphere Design Temperature: 30 C
 Date of MFR: 1983/03 Estimated Weight - 1,270 kg
 Drawing No: CT33-69 Resin - REICHHOLD CC402

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INTERNAL

Surface cracks at bottom section about 2" from bottom shell at west quadrant of tank right of manway.

Length of transversal cracks about 24" long. Some non adhesion between manway to shell surface, appeared like it has been previously repaired. The rest of the shell appeared to be in good shape. Top head - wide material chips on south east section about 14" x 36" long to top shell and numerous cracks visible from the bottom floor. Internal piping (PVC) in good shape.

EXTERNAL

External valves, blind flanges, stud bolts/ nuts are corroding with hard product scale on mating flanges. The 1" diameter ground conduit/ electrical conduit supports are severely corroded with thick scale and structural legs for service platform. The tank is mounted in a concrete foundation about 4" from the building floor. Saged section of roof at sout east quadrant about 4" depth.

Recommendations:


INTERNAL

1. Repair cracks on the floor at west side and manway.
2. Replacement of roof to be investigated for next outage in 3 years time.

EXTERNAL

1. Replace corroded 1" diameter conduit pipe of electrical and ground cable and supports.
2. Descale/ touch-up corroded service platforms, where necessary replace anchor bolts, stud boltss/ nuts.
3. Remove blinds on nozzles at east side and valve on drain.

Inspector:


R. G. Smith