



244041

RAE Inspection Service (1979) Ltd.

#111,4808 - 87 Street, Edmonton, Alberta T6E 5W3

Phone: (780) 469-2401 Fax (780) 468-2422

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Field Inspection Report

Vessel # 244041

Client	Canadian Natural Resources Ltd.		Inspection Date	2003/02/04	
Prov. Reg.#	244041		Insp. Type	VE/UT/PSV	
Equipment	Horizontal Treater		Location	Rumsey North	
Tag/Equip. #			LSD	2-5-34-20W4	
Vessel Status	In Service		Comp./Unit		
Manufacturer	Larsen D'Amico	Serial #	HT5658	MAWP/Temp	50 psi 200 F
CRN #	C9757.213	Shell Material	SA-36-B	Shell Thick.	0.252 in
Corrosion All.	in	Head Material	SA-516-70	Head Thick.	0.252 in
Manway	Yes	Head Material 2	SA-516-70	Head Thick. 2	0.189 in
Coating	No	Channel Material		Channel Thick.	in
Diameter	72 in	Length	192 in	RT	4 HT
Year Built	1988	Next Inspection	2004	Next Insp. Type	NA
Service	Sweet			Job #	03-097

PSV #.	11076				
Mfg.	Taylor	Serial #	11076	Set Pressure	50 psi
Type/Model		Capacity	474 SCFM	Size	2.000 in
Date of Service	2000/05/04	Next Service	2004	Service Co.	CVS

Observations:

External
 Vessel 50% outside. Insulated. An oily deposit can be noted on firetube flange at bolt holes. Vessel operating at 18psi @160F. Seating of oil noted at threaded fittings, no dripping. External fittings appear to be in a good working order - gauges, valves, level controllers. All piping well supported. PSV discharge sufficient but line not supported. Earth cables intact.

Internal
 None at this time

AB-40 to be attached

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UT
Measurements in millimeters
Shell: 6.60 - 6.73
Head: 9.6 - 10.2

Recommendations:

1. Fit support to PSV discharge line.
2. Clean oil from vessel - firetube flange, inspect for leakage.
3. Repair leaks - sweating - from level glass and tubing.
4. Internal inspection within one year.
5. MPI on firetube flange weld and firetubes.



Inspector: Hannes Roberts

Reviewed by:

AB-40 to be attached