

SHOP/FIELD INSPECTION REPORT

Inspector: VANESSA RAWLINS

A Number: 0463574

Inspection Date: _____

Vessel

Vessel Code: HPVS

Yr. Built: 2001

Owner Acct: CAN090

Owner: CANADIAN NATURAL RESOURCES LTD

S/N: C00-6342-1

Manufacturer: COMPLETE PACKAGE

CRN: P4829.2

Plant Type: HYDROCARBON FACILITIE

Vessel Description: VERTICAL CYCLONE SEPARATOR

Vessel Type: PROCESS VES. OTHER TH

Location: PORTABLE - CALGARY

Service Type: PROCESS FLUIDS (NOT L

Company Code:

Special Features: STRESS RELIEVED

Account Contact: MCNAMARA, DAVID

Refrigerant:

(780) 826-8207

Area: 7130 - CALGARY DOWNTOWN SOUTH WEST

located in Ladyfern BC

In Service: ☒

Subject to Act: ☒ or if not, Why? : _____

Subject to Fee: ☒ or if not, Why? : _____

A# on plate: ☒ or if not, Where? : _____

Interval (Yrs.): 4.00

Next Insp. Dt.: 2005-May-19

Technical

Ves Volume: .72 M3

Srvc Area: M2

Unit KW Rating: .00

PRD Mincap:

Htg Srvc: M2

DOT Specification:

Eng. Req'd:

Quenc Tempered: ☒ Cladded: ☒ Manway: ☒ Lined: ☒ Quick Closure Opening: ☒ Fifth Wheel: ☒ Coated: ☒

Vessel Inspection

Cert. Issued ☐ Invoice ☐ Invoice to Company: _____ Amount: _____

Fee Description: Shop ☐ Initial ☐ Installation ☐ Special ☐

Inspection Type: _____

AB16A ☐ AB16B ☐ AB40 Rec. ☐ Internal _____ M5 ☐

Rep. Req. ☐ UT ☐ MPI/PT ☐ External ☐ Owner/User: ☒

PSV Tstd. ☐ PSV Serv ☐ Hydro ☐ Shell: _____ Tube: _____

Legend Codes: _____ NSAF - 7889, 7899, 7929
SAF - 7939, 7929, 7899

Certificate Text: _____

Inspector's Remarks: _____

Vessel Parts and Valves

B.F. Date: 2001-May-29

Part	MAWP	Max Temp	MDMT	Valve	Setting	Cap.	Location
VESSEL	13,789.51	104.44	-29.00 SV1		.00	.00	TO BE IN:

Field Inspection Report

Vessel # 463574

Client	Canadian Natural Resources Ltd.			Inspection Date	2001/11/28				
Prov. Reg.#	463574			Location	Ladyfern				
Equipment	Separator			LSD	C-82-G/				
Tag/Equip. #				Comp./Unit					
Vessel Status	In Operation			Job #	01-675				
Manufacturer	Compact	Serial #	C0163421	MAWP/Temp	2000 psi 220 F				
CRN #	P4828.2	Shell Material	SA-516-70N	Shell Thick.	1.500 in				
Corrosion All.	0.125 in	Head Material	SA-516-70N	Head Thick.	1.500 in				
		Head Material 2		Head Thick. 2	in				
		Channel Material		Channel Thick.	in				
Diameter	24 in	Length	in	Height	120 in	RT	1	HT	YES
Year Built	2001	Next Inspection	2002	Insp. Type	VE/VI/UT				
Service	Sweet	Manway	No	Coating	No				

PSV #.	4305061A10				
Mfg.	Farris	Serial #	4305061A10	Set Pressure	2000 psi
Type/Model	26J14120	Capacity	49810 SCFM	Size	3.000 in
Date of Service		Next Service	2002	Service Co.	Unified

Observations:

External

Vessel is painted gray and in good condition. Vessel bolted securely to skid floor. Boroscope used - shell is coated with thick black film.

Internal

Vessel is coated with heavy black film

**RAE Inspection Service (1979) Ltd.**

#111, 4808 - 87th Street, Edmonton, Alberta T6E 5W3
Telephone: (780) 469-2401 • Fax: (780) 468-2422

NCR 5906**NON CONFORMANCE REPORT**

Client: CNR Date: Aug 2/01
Provincial Registration #: See list below. RAE Job #: 01-006
Location: Lady fern LSD: C-82-G/04-41
Equipment: Various.

Description of Non Conformance:

- No BC design registration.*
- Inlet Separator - Compact - (A) 463574 CRN P4828.2
 - Line heater - Maloney - (A) 117218, CRN B-1443.2 & B-1444.2
 - Natco. - Deluge tower - (A) 3055955, CRN M 6335.2
 - Glycol flash tank - (A) 3055869, CRN M 0971.2
 - Charcoal filter - (A) 3055852, CRN M 1186.2

Recommended Action:

RAE will contact OEM & get design registrations done.

NCR to be Resolved Before: Dec 31/01.
Signature Inspector: [Signature] Date: Aug 2/01

Corrective Action Taken:

Signature Client: _____ Date: _____
Signature Inspector: _____ Date: _____
Reviewed by Chief Inspector: _____ Date: _____

Certificate of Inspection

CANADIAN NATURAL RESOURCES LTD
2500, 855-2 STREET SW

PREFERRED RE-INSP. INTERVAL: 4.00 Yr.

CALGARY, AB
T2P 4J8

YEAR BUILT: 2001
CRN: P4829.2
SERIAL #: C00-6342-1

LOCATION: PORTABLE - CALGARY

DESCRIPTION: VERTICAL CYCLONE SEPARATOR

VOLUME: 0.719 M3

COMPANY CODE:

HEATING SURFACE:

MANUFACTURER: COMPLETE PACKAGE

SURFACE AREA:

Safety Valves

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	13790 KPA	104 C	-29 C	SV1			TO BE INSTALLED

OWNER INSTRUCTIONS/REMARKS:

CONTACT THE ABSA SAFETY CODES OFFICER BEFORE PLACING THE VESSEL/BOILER IN SERVICE.

VESSEL/BOILER TO BE INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT AND REGULATIONS.

VERIFY THAT VESSEL/BOILER IS PROTECTED BY AN ACCEPTABLE ASME CODE PRESSURE RELIEF VALVE, OF ADEQUATE CAPACITY, SET AT NO MORE THAN MAXIMUM PRESSURE AUTHORIZED AND INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT & REGULATIONS.

Safety Codes Officer: BENTLEY, BILL

Signature: 

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

The owner or person in charge shall report all accidents involving a boiler, pressure vessel or pressure piping system to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.