



137252

RAE Inspection Service (1979) Ltd.

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

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

**Field Inspection Report
Vessel A # 137252**

Client	Canadian Natural Resources		Date of Insp.		October 13, 1999	
Prov. Reg. #	137252		Location		Princess Denhart	
Equipment	3 Phase Vertical Separator		LSD		9-16-20-11W4	
Tag/Equip. #			Comp./Unit #			
Vessel Status	Not In Operation		Job #		99-303	
Fabricator	Natco	Serial #	LS 1523		MAWP/Temp	1400psi/ 100F
CRN#	C3446.2	Shell Mat'l	A-53B		Shell Thick.	1.031"
Corr. All.		Head Mat'l	A-516-70		Head Thick.	0.937"
Diameter	~20"	Length	Height	20'	RT	2 HT
Year Built	1976/12	Next Insp.	Prior to service		Insp. Type	Inv/VE/UT
Service		Manway	No		Coating	
PSV #.						
Mfg.		Serial #			Set Pressure	
Type/Model		Capacity			Size	
Date of Service		Next Service	Prior to returning to service		Service Co.	

Report # 3879**Observations:**

External: Painted gray. Surface with scattered paint damage (peeling off).

UT Readings (measurements in inches)

Test Point	Nominals	A	B	C	D
Bottom Head	0.937	0.984	0.975	0.978	0.974
Shell – 1	1.031	1.054	1.063	1.059	1.068
Shell – 2	1.031	1.131	1.117	1.137	1.134
Shell – 3	1.031	1.076	1.080	1.070	1.082

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

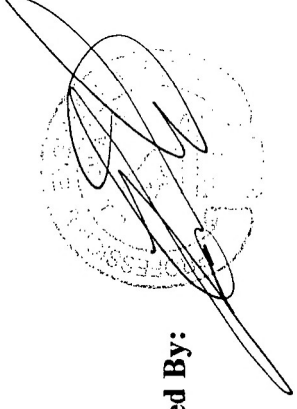
Field Inspection Report
Vessel A # 137252

Recommendations:

Inform RAE Inspection before returning back to service.

Inspector: Rex Sadaba

Reviewed By:

A handwritten signature in black ink is written over a circular, faded stamp. The signature is stylized and appears to be 'Rex Sadaba'. The stamp is mostly illegible but seems to contain some text around the perimeter.

DIAMETER	LENGTH/HEIGHT
20"	20"

FD-5.

LENGTH/HEIGHT

EXHIBIT #1

SCEPTRE RESOURCES LIMITED
VESSEL INSPECTION REPORT

REVISION NO: 1
DATE: August 1994

VESSEL NAME	Glycol Contactor	LSD	09-16-20-11 W4M	COST CENTRE	OSA001
LOCATION	Princess Denhart	COMP EQ NO		FABRICATOR	Natco Ltd.
PROV "A" NO	137252	CRN NO	C-3446.2	SERIAL NO	LS-1523
LAST INSPECTION DATE (Method I/E)		YEAR BUILT	1976	INSP. FREQUENCY	
MAX WORKING PRESSURE	1400 psi	DESIGN TEMP	100 F	SUBJECT TO FEES	yes
DIAMETER	20"	LENGTH/HEIGHT	20'		

THICKNESS	MATERIAL	CORR. ALLOW
SHELL 1.031		
HEAD 0.937		

H2S	YES	OIL	SKETCH

MANWAYS	YES		STEAM	
	NO	X	WATER	X
INSULATION	YES		AIR	
	NO	X	NGL	
			OTHER	

INSPECTION COMMENTS:

Inspection methods, metal loss, coatings/linings, internal parts, anodes
scales/sludge, method of cleaning, tubes, etc

[illegible]

PRESSURE SAFETY VALVES

LOCATION	MANU. MODEL/S/N	SET PRESS	SEAL Y/N	CRN	CAP	DATE TESTED	SERVICE BY	NEXT SERVICE DATE
1. Top		1200 psi	yes			May 1988	TOS Tilley	
2.								
3.								

SUITABLE FOR SERVICE	YES	BLOCK VALVES OPEN & LOCKED Y/N

Field Inspector: Greg Dyck

Signature: _____

Chief Inspector Sign: _____

Aug. 1999

VESSEL NAME

GLYCOL CONTACTOR

LSD

09-16-20-11

COST CENTRE OSA-001 S/F 630

LOCATION

PRINCESS DENHART

COMP E.Q. NO.

FABRICATOR WATCO LTD

V" A" NO

0137252

YEAR BUILT

DEC. 1976

SERIAL NO. LS-1523

INSPECTION DATE (Method I/E)

C-3446.2

NEXT INSP DATE

MAX WORKING PRESS

1400 PSI

DESIGN TEMP

100 °F

DIAMETER

20"

LENGTH/HEIGHT

20'

THICKNESS

SHELL
HEAD1.037
1.937

MATERIAL

CORR. ALLOW

H2S

YES

☐

OIL

☐

NO

☒

GAS

☒

MANWAYS

YES

☐

STEAM

☐

NO

☒

WATER

☒

INSULATION

YES

☐

AIR

☐

NO

☒

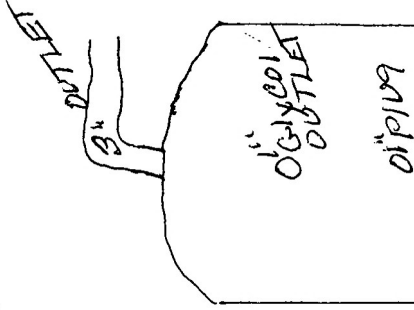
NGL

☐

OTHER

☐

SKETCH



INSPECTION COMMENTS:

Inspection methods, metal loss, coatings/linings, internal parts, anodes, scale/sludge, method of cleaning, tubes, etc.

PRESSURE SAFETY VALVES

LOCATION	MANU. MODEL/SN	SET PRESS	SEAL Y/N	CRN	CAP	SERVICE BY	NEXT SERV. DATE
1. Top		1200 psi	X			TESTED BY May 1988 Tos	
2.						May 1988 Tilley	

SUITABLE FOR SERVICE

Yes

☐

BLOCK VALVES OPEN & LOCKED Y/N

No

☐

Field Inspector:

Signature:

Chief Inspector Sign.:



LABOUR
General Safety
Boilers Division
Boilers Branch

BOILERS & PRESSURE VESSELS ACT

CERTIFICATE OF
INSPECTION

NOTE: REQUIREMENTS OF THE BOILERS AND PRESSURE VESSELS ACT AND THE REGULATIONS ISSUED THEREUNDER:
The owner or person in charge shall report all accidents involving a boiler, pressure vessel or personnel to the District Inspector immediately and shall also send a full report in writing to the Chief Inspector as required by the Act. No repairs or alterations may be made unless authorized by an Inspector.

Vessel No.

(A) 1 3 7 2 5 2

Date of Inspection

8 5 0 1 1 7

Year Month Day

NAME OF OWNER SUNDANCE OIL CANADA LTD.

ADDRESS OF OWNER 600, 555 - 4 AVE. S. W., CALGARY, ALBERTA T2P 3E7

LOCATION OF VESSEL LSD: 10-35-29-12-W4M

COMPANY CODE

VERTICAL CONTACTOR

YEAR BUILT

1976

C.R.N.

000C3446.2

DESCRIPTION OF VESSEL
(OF CARGO TRANSPORT STATE AUTHORIZED SERVICE)

HYDROSTATIC TEST PRESSURE

kPa

TEMP

*C

HEATING SURFACE

m²

CUBICAL
CAPACITY

1.08

m³

MAXIMUM
PRESSURE

)

9653

kPa AT

38

*CON

SHELL

S.V. set at

9652

AUTHORIZED:

)

kPa AT

*CON

S.V. set at

INSTRUCTIONS TO OWNER/REMARKS SERVICE SAFETY VALVES AT FIVE YEAR INTERVALS.

RECEIVED FEB 01 1985

R. FAST/jb

INSPECTOR'S NAME

INSPECTOR'S SIGNATURE

SERIAL NUMBER

MANUFACTURER

EXHIBIT #1

SCEPTRE RESOURCES LIMITED
VESSEL INSPECTION REPORT

REVISION NO: 1
DATE: August 1994

VESSEL NAME	Glycol Contactor	LSD	09-16-20-11 W4M	COST CENTRE	QSA001
LOCATION	Princess Denhart	COMP EQ NO		FABRICATOR	Natco Ltd.
PROV "A" NO	137252	YEAR BUILT	1976	SERIAL NO	LS-1523
LAST INSPECTION DATE (Method I/E)		NEXT INSP DATE		INSP. FREQUENCY	
MAX WORKING PRESSURE	1400 psi	DESIGN TEMP	100 F	SUBJECT TO FEES	yes
DIAMETER	20"	LENGTH/HEIGHT	20'		

THICKNESS		MATERIAL	CORR. ALLOW
SHELL 1.031	HEAD 0.937		
H2S	YES		SKETCH
	NO	☒	
	YES		
MANWAYS	NO	☒	STEAM
	YES		
	NO	☒	
INSULATION	YES		AIR
	NO	☒	
	YES		
	NO	☒	NGL
			OTHER

INSPECTION COMMENTS:

Inspection methods, metal loss, coatings/linings, internal parts, anodes scales/sludge, method of cleaning. tubes, etc

[illegible]

PRESSURE SAFETY VALVES

LOCATION	MANU. MODEL/SN	SET PRESS	SEAL Y/N	CRN	CAP	DATE TESTED	SERVICE BY	NEXT SERVICE DATE
1. Top		1200 psi	yes			May 1988	TOS Tilley	
2.								
3.								

SUITABLE FOR SERVICE	YES	NO	BLOCK VALVES OPEN & LOCKED Y/N
	☐	☐	☐

Field Inspector: Greg Dyck

Signature:

Chief Inspector Sign:

SCEPTRE RESOURCES LIMITED
VESSEL INSPECTION REPORT

REVISION NO.:

DATE:

1
Aug. 1999

VESSEL NAME

GLYCOL CONTACTOR

LSD

09-16-20-11

COST CENTRE OSA-001 S/F 630

LOCATION

PRINCESS DENHART

COMP E.Q. NO.

FABRICATOR WATCO LTD

VIA NO

0137252

YEAR BUILT

SERIAL NO 15-1523

INSPECTION DATE (Method I/E)

03/24/02

NEXT INSPECTION DATE

DEC. 1976

INSPECTION FREQUENCY

MAX WORKING PRESS

1400 PSI

DESIGN TEMP

180 °F

DIAMETER

20"

LENGTH/HEIGHT

20'

yes.

THICKNESS

SHELL

1.037

MATERIAL

CORR ALLOW

HEAD

1.937

H2S

YES

☐

OIL

☐

NO

☒

GAS

☒

MANWAYS

YES

☐

STEAM

☐

NO

☒

WATER

☒

INSULATION

YES

☐

AIR

☐

NO

☒

NGL

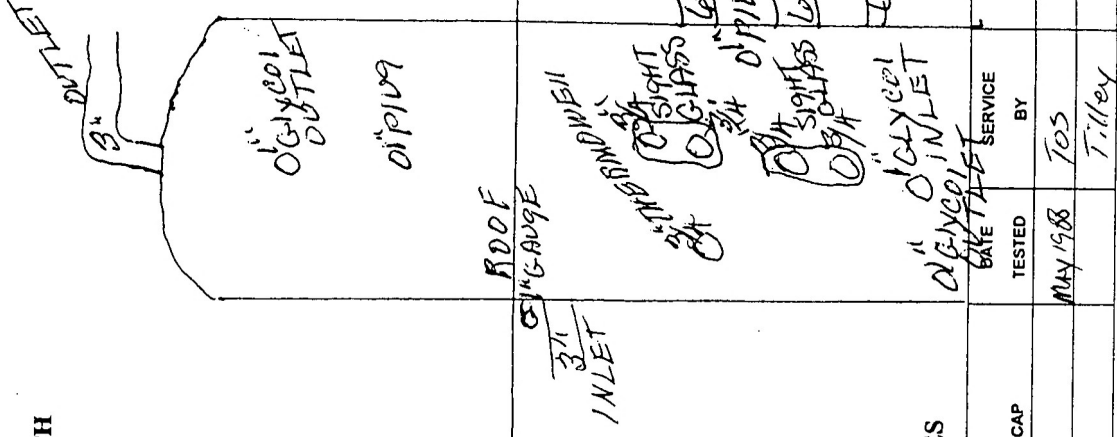
☐

OTHER

☐

INSPECTION COMMENTS:

Inspection methods, metal loss, coatings/linings, internal parts, anodes, scale/slag, method of cleaning, tubes, etc.



PRESSURE SAFETY VALVES

LOCATION	MANU. MODEL/S/N	SET PRESS	SEAL Y/N	CRN	CAP	DATE TESTED	SERVICE BY	NEXT SERV. DATE
1. TOP		1200 psi	X			MAY 1988	Tos	
2.							Tilley	

SUITABLE FOR SERVICE

Yes

☐

BLOCK VALVES OPEN & LOCKED Y/N

No

☐

Field Inspector:

Signature:

Chief Inspector Sign.: