



152541

Field Inspection Report

Vessel # 152541

Client	Canadian Natural Resources Ltd.		Inspection Date		May 02, 2001	
Prov. Reg.#	152541		Location		Fox Compressor	
Equipment	Glycol Absorber		LSD		d-47-D/94-A-16	
Tag/Equip. #			Comp./Unit #			
Vessel Status	In Operation		Job #		01-242	
Manufacturer	Cessco	Serial #	P3152	MAWP/Temp	1440 psi	140° F
CRN#	F1504.1	Shell Material	SA-106B	Shell Thickness	1.531 in	
Corrosion All.	0.125 in	Head Material	SA-516-70	Head Thickness	1.063 in	
		Head Material 2		Head Thickness 2	in	
		Channel Material		Channel Thickness	in	
Diameter	24 in	Length	in	Height	282 in	RT
Year Built	1981	Next Inspection	2003		1	HT
Service	Sweet	Manway	No		Coating	
					No	
PSV #.	77C6800					
Mfg.	Consolidated	Serial #	77C6800	Set Pressure	1100.000 psi	
Type/Model	1912GC	Capacity	13480.000 USGPM	Size	1.500 in	
Date of Service	2000/02/02	Next Service	2003	Service Co.	Dalco	

RAE Inspection Service (1979) Ltd.

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

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

Date Printed 2001/05/15

Field Inspection Report

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Observations:

External

Painted vessel. Above roof weathered, ladder, nozzles, attachments all in good condition. Inside bldg. fresh painted, in good condition. Bottom skirt ring/plate bolted solid to floor plate welded to floor. No active corrosion noted at this time.

Internal

No access available at this time - Operating.

UT Inspection

Measurement in mm

Top Head - 35.7, 36.7, 35.7, 36.7

Top Shell - 43.5, 43.8, 43.7, 43.8

Shell Course - 40.2, 40.0, 41.4, 42.9

Shell Course - 43.2, 42.9, 41.8, 41.6

Bottom Course - 43.1, 43.3, 43.4, 44.7

Bottom Head - 37.6, 38.2, 37.4, 38.0

4" Inlet Nozzle - T-13.2, E-13.4, B-13.7, W-13.1

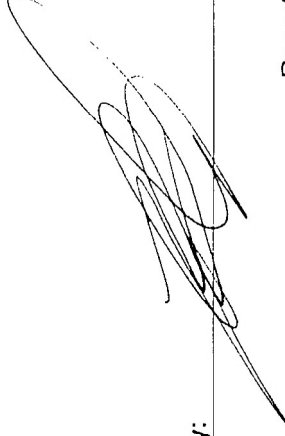
4" Outlet Nozzle - N-14.3, E-13.6, S-13.7, W-13.5

Recommendations:

No concerns noted at this time.

Inspector: Jim Longstreet

Reviewed by:



AB-40 to be attached

TO:

CANADIAN NATURAL RESOURCES--Calgary Office--Al Taylor--FAX (403) 233-2182

IE: CNRL Fox DEHY Name of Facility D-47-0/94-A-16 Legal Location

PAGE OF

PRESSURE VESSEL TAG NO. A15254 CESSO GLYCOL ABSORBER DESCRIPTION: CONTACT TOWER.

SIZE: 610 mm ~~in.~~ O.D. x 2163 mm " 1

DESIGN PRESSURE: 1440 PSIG TEST PRESSURE: PSIG

DESIGN TEMPERATURE: 110 Degrees F

CORROSION ALLOWANCE: in.

X-RAY: % CAPACITY: 2.067 m³ ~~cu~~

YEAR BUILT: 5/70 JAN 81 STRESS RELIEVE:

C.R.N. NUMBER:

SERIAL NUMBER: R 3152

A NUMBER:

P NUMBER:

	HEAD	SHELL
MATERIAL DESIGNATION	SA 516-70	SA 106-B
MATERIAL TENSILE STRENGTH	psi	psi
MATERIAL THICKNESS	26.99 mm	38.89 mm
JOINT EFFICIENCY	%	%
TYPE OF HEAD		

RELIEF VALVES ASSOCIATED WITH THIS FACILITY:

TAG. NO.	NA		
SET PRESSURE	psi	1440	
TEMP	degrees F	NA	
INLET SIZE	in.	1 1/2	
OUTLET SIZE	in.	2	
LOCATION		OUTSIDE OF TOWER	
CONNECTION IN		FLANGED	
CONNECTION OUT		FLANGED	
CAPAC. (SCFM - AIR)		NA	
MANUFACTURER		CONS	
MODEL NUMBER		NA	
SERIAL NUMBER		80C 1956	

Operator Name (Printed) & Telephone No.

Signature

Date

Permanent Pressure Vessel Record

PROV. REG. NO. 152541

SIDE SHELL

NAME OF UNIT FOX

VESSEL NAME GLYCOL ABSORBER TOWER

LOCATION FOX

LSD D-47-D/94-A-16

Record No.
1 of 15

DATE 7/26/95

Last Edit Date : 9/26/95

History	
CRN NO.	MANUFACTURE'S TEST PRESSURE kPa
VESSEL FEE	DATE RECEIVED 1/181
MANUFACTURED BY	DATE INSTALLED
MANUFACTURER'S SERIAL NO. P3152	EQUIPMENT NO.
MANUFACTURER'S INSPECTOR	COMPANY INSPECTOR
Description	
GENERAL	REINFORCEMENT
DRAWING NO.	FACTORY OR FIELD
FABRICATOR'S	TOP HEAD TYPE
CONTRACTOR'S	ELLIPTICAL
COMPANY	DISHED
POSITION (VERTICAL OR HORIZONTAL)	HEMISPHERICAL
CODE CONSTRUCTED	CROWN REGION mm
CODE ASME VIII DIV 1 YEAR	CONICAL (ANGLE) degrees
CODE STAMP	FLAT mm
MATERIAL SPECIFIED AND GRADE OR TYPE HDS SA616-70	JOINT EFFICIENCY
BASE SA106-B	ORIGINAL THICKNESS 26.99 mm
LINING	CORROSION ALLOWANCE mm
THICKNESS mm	MANWAYS
STRESS RELIEVED (ORIGINAL)	NO.
RADIOGRAPHED (ORIGINAL)	SIZE mm
COMPLETE	FLANGE RATING ANSI
WELD INTERSECTIONS	REINFORCEMENT
SIZE	FACTORY OR FIELD
NOMINAL INSIDE DIAMETER 0.61 m	BOTTOM HEAD TYPE
LENGTH BASELINE TO BASELINE 7.163 m	ELLIPTICAL
DESIGN	DISHED
PRESSURE 9928 kPa	CROWN REGION mm
TEMPERATURE 43 Celsius	CONICAL (ANGLE) degrees
STRESS Mpa	FLAT mm
MAXIMUM ALLOWABLE OPERATING PRESSURE 9928 kPa	JOINT EFFICIENCY
MAXIMUM ALLOWABLE TEMPERATURE 43 Celsius	ORIGINAL THICKNESS 26.99 mm
LIMITED BY	CORROSION ALLOWANCE mm
SHELL	MANWAYS
TYPE OF CONSTRUCTION WELDED	NO.
JOINT EFFICIENCY .85	SIZE mm
TYPE OF SUPPORT	FLANGE RATING ANSI
INTERIOR OR EXTERIOR STIFFENERS	REINFORCEMENT
ORIGINAL THICKNESS 38.89 mm	FACTORY OR FIELD
CORROSION ALLOWANCE mm	NOZZLES
MANWAYS	MINIMUM FLANGE RATING ANSI
NO.	TYPE FACING
SIZE mm	OPENINGS REINFORCED
FLANGE RATING ANSI	REMARKS

NOTE: A COPY OF THIS SHEET SHALL BE PREPARED FOR EACH INDIVIDUAL VESSEL IN A UNIT. IF NEW VESSELS INSTALLED OR ANY CHANGES ARE MADE TO PRESENT VESSELS AFFECTING THE DESCRIPTION ITEMS, A NEW OR REVISED COPY OF THIS SHEET SHALL BE SUBMITTED WITH THE CURRENT INSPECTION REPORT.



INSPECTION SERVICE
(1979) LTD.



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PSV Link Report

Prov. Reg. No.: 152541

Side: SHELL

GENERAL

Vessel Name:	GLYCOL ABSORBER TOWER	DESIGN	Nominal Inside Diameter:	m
Equipment No.:			Length Baseline to Baseline:	m
CRN :			Design Pressure:	9928 kPa
Name of Unit:	FOX		Design Temperature:	Celsius
Location:	FOX		Maximum Allowable Operating Pressure:	9928 kPa
LSD :	D-47-D/94-A-16		Maximum Allowable Temperature:	Celsius

MISC.

Manufactured by: CESSCO
Manufacturer's Serial Number: P3152
Year :

REMARKS

PSV's Protecting Vessel:

PSV Tag No.	Primary	Last Insp.	Next Insp.	Serv. Int. (months)	Set Pres. (kPa)	Set Pres. (psi)	Capacity (m3/min)	Capacity (SCFM)	Location
PSV152541	YES	1/1/94	1/1/96	9929	1440				