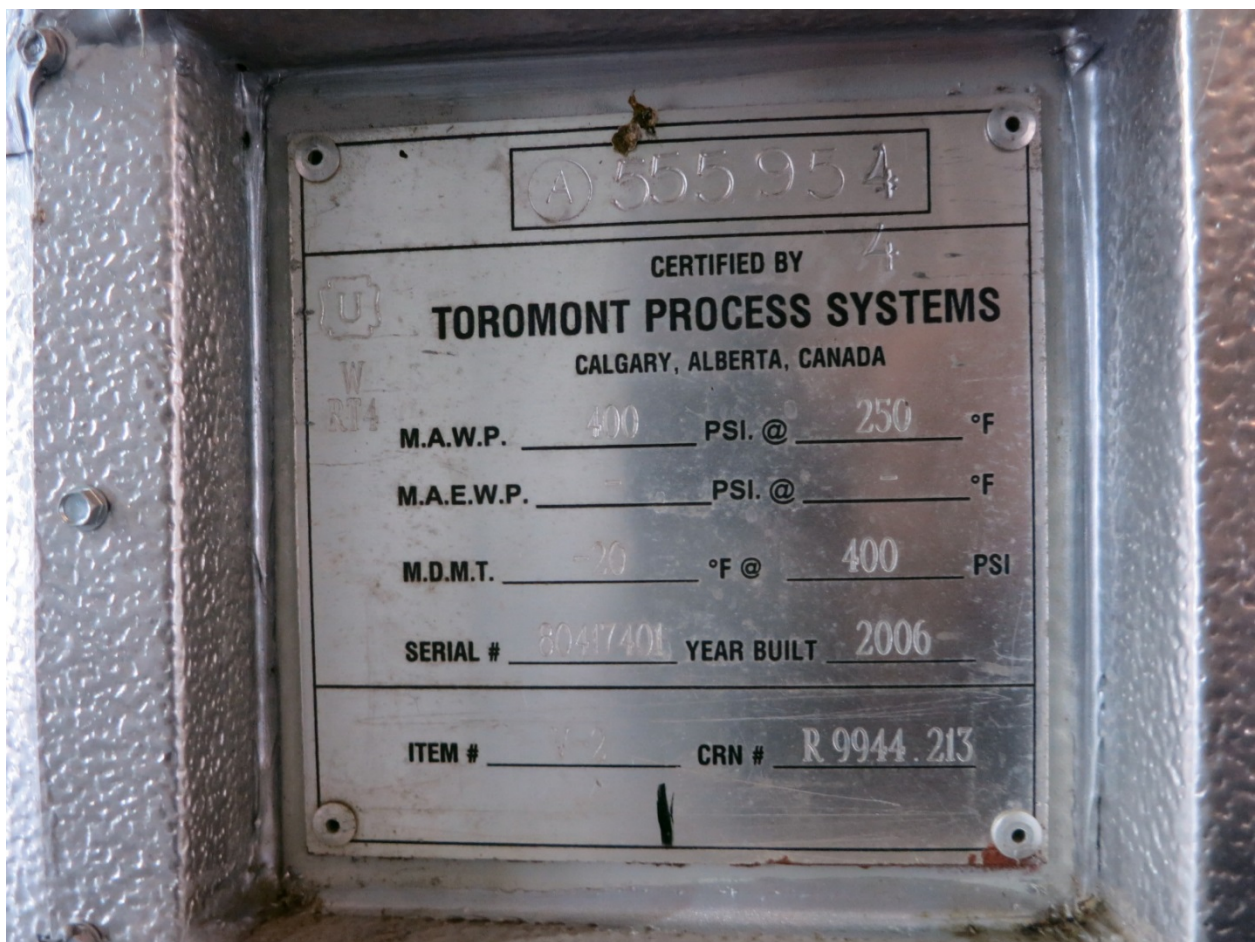
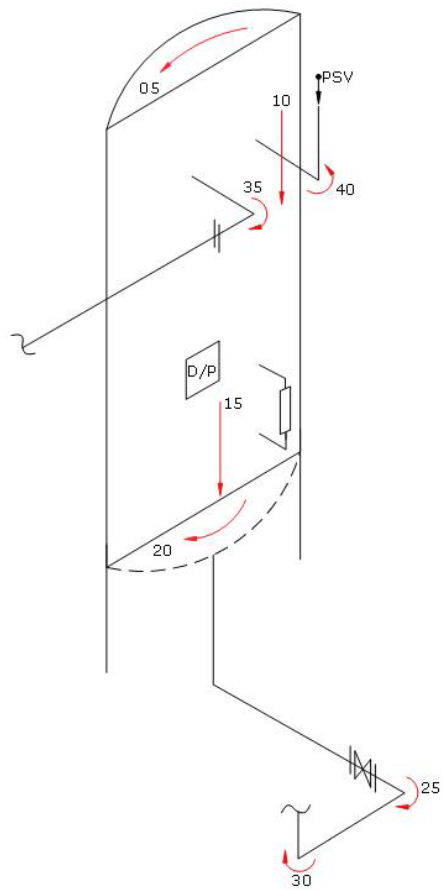




Location Name:	ANSELL GAS PLANT	LSD:	7-27-51-19W5
A#:	0555954	Equipment/Tag No.	V-2
Equipment Description:	OIL SEPARATOR	Serial Number:	80417401
		CRN: (or other ID#)	R9944.213
MAWP:	400 PSI	Design Temp:	250°F
Shell Material:	SA-516-70N	Head Material:	SA-516-70N
Shell Thickness:	0.750"	Head Thickness:	0.6875"
Corrosion Allowance:	0.0625"	Date Built:	2006
Size:	INS	Manufacturer:	TOROMONT PROCESS SYSTEMS
RT:		Pipe / Rolled Plate:	ROLLED PLATE

Notes:









Ultrasonic Corrosion Survey

Survey Name: Husky Energy

Date: Jun 8, 2014

Inspector: W. Gill

LSD: 07-27-051-19W5 Area: Ansell Location: Gas Plant
A #: A0555954 Tag Number: V-2 Vessel Name: Oil Separator
CRN: R9944.213 Year Built: 2006 Serial Number: 80417401
Vessel CA: 1.5875 mm Manufacturer: Toromont Process Systems
Shell MAWP: 400psi MAWTF: 250°F Tube MAWP: MAWTF:

TML Description		Baseline				Material:	SA-516-70N
05	Head	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Ellipsoidal	Min	20.070	15.875	1.588	17.463	
OD:		Avg	20.420				Remaining Life:
Spec:	ASME VIII Div.1	Comments:					Retirement Date:

TML Description		Baseline				Material:	SA-516-70N
10	Shell	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	19.580	17.463	1.588	19.050	
OD:		Avg	19.710				Remaining Life:
Spec:	ASME VIII Div.1	Comments:					Retirement Date:

TML Description		Baseline				Material:	SA-516-70N
15	Shell	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	19.430	17.463	1.588	19.050	
OD:		Avg	19.860				Remaining Life:
Spec:	ASME VIII Div.1	Comments:					Retirement Date:

TML Description		Baseline				Material:	SA-516-70N
20	Head	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Ellipsoidal	Min	18.850	15.876	1.588	17.463	
OD:		Avg	19.200				Remaining Life:
Spec:	ASME VIII Div.1	Comments:					Retirement Date:



Ultrasonic Corrosion Survey

Survey Name: Husky Energy

Date: Jun 8, 2014

Inspector: W. Gill

LSD: 07-27-051-19W5 Area: Ansell Location: Gas Plant
A #: A0555954 Tag Number: V-2 Vessel Name: Oil Separator
CRN: R9944.213 Year Built: 2006 Serial Number: 80417401
Vessel CA: 1.5875 mm Manufacturer: Toromont Process Systems
Shell MAWP: 400psi MAWTF: 250°F Tube MAWP: MAWTF:

TML Description		Baseline				Material:	A-234-WPB
25	Piping	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	4.801	0.686	5.486	2.540	0.096
OD:	3.5"	Avg	5.160		Assumed		Remaining Life: 24.17 Years
Spec:	ASME B31.3	Comments:	No corrosion found				Retirement Date: 8/10/2038

TML Description		Baseline				Material:	A-234-WPB
30	Piping	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	4.800	0.686	5.486		
OD:	3.5"	Avg	5.330		Assumed		Remaining Life:
Spec:	ASME B31.3	Comments:					Retirement Date:

TML Description		Baseline				Material:	A-234-WPB
35	Piping	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	7.156	1.022	8.179		
OD:	8.625"	Avg	9.090		Assumed		Remaining Life:
Spec:	ASME B31.3	Comments:					Retirement Date:

TML Description		Baseline				Material:	A-234-WPB
40	Nozzle	2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	6.668	0.953	7.620		
OD:	3.5"	Avg	8.280		Assumed		Remaining Life:
Spec:	ASME VIII Div.1	Comments:					Retirement Date:

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A)555954

1. Manufactured and certified by Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6
(Name and address of manufacturer)
2. Manufactured for Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6
(Name and address of purchaser)
3. Location of installation Stock
(Name and address)
4. Type Vertical 80417401 R9944.213 OSV-480-03-CS-002 Rev0 - 2006
(Horiz. or vert., tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004
to 2005
Addenda (Date) Code Case Nos. Special Service per UG-120(d)
6. Shell: SA-516-70N 0.750" 0.0625" 3' - 10 1/2" 8' - 6"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Type 1 Spot .85 --- --- Type 1 Spot .70 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses
8. Heads: (a) Mat'l. SA-516-70N (b) Mat'l. SA-516-70N
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Top	0.6875"	0.0625"	-	-	SE 2:1	-	-	-	Concave
(b)	Bottom	0.6875"	0.0625"	-	-	SE 2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) -

9. MAWP 400 - psi at max. temp. 250 °F.
(internal) (external) (internal) (external)
- Min. design metal temp. -20 °F at 400 Psi. Hydro., pneu., or comb. test pressure 520 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
			SEE	ATTACHED	U4	FORM		

11. Supports: Skirt No Lugs 3 Legs - Other - Attached Shell & Welded
(Yes or no) (No.) (No.) (Describe) (Where and how)
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: -

(Name of part, item number, Mfr's. name and identifying stamp)

Item: V-2 Vessel Type: Oil Separator Construction Drawing: 80417-401 Rev 1
Volume: 120 Cubic Feet Impact Testing: No, per UG-20(f)

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33,658
expires November 26, 2008

Date 23/10/06 Co. name Toromont Process Systems Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Toromont Process Systems at Calgary, Alberta, Canada
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Alberta and employed by ABSA

have inspected the component described in this Manufacturer's Data Report on Nov 23/06 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 6/11/23 Signed [Signature] Commissions alta 5
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)

①555954

Remarks

Date 23 Nov 06 Name Toromont Process Systems Signed *Ken*
(Manufacturer) (Representative)

Date 6/14/23 Name *W. Simpson* Commissions *alpha 5*
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)