

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

A 483264

1. Manufactured and certified by: NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, AB T2H 1X6
(Name and address of manufacturer)

2. Manufactured for: EXXON/MOBIL BOX 800, CALGARY, AB T2P 2J7
(Name and address of purchaser)

3. Location of installation: L.S.D.: 7-16-29-27 W4M
(Name and address)

4. Type: VERTICAL 7809-03 P-7312 2 CVRD-024SX-1440-130-00 REV 0 2002
(Hornz or Vert. Tank) (Mfr.'s Serial No.) (CRN) (Dwg 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 2001
Year

In ----- N/A N/A
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell SA 516-70N 1.000" 0.125" 1'-10" 7'-6"
Matl (Spec No., Grade) Nom. Thk (in) Corr. Allow (in) Diam I.D (ft & in) Length (overall) (ft & in)

7. Seams TYPE 1 FULL 100% 1150 1 HR
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr)

TYPE 1 FULL 1
Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses

8. Heads (a) Matl. SA 516-70N (b) Matl. 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	0.9375"	0.125"			2:1 SE				CONCAVE
b)	BOTTOM	0.9375"	0.125"			2:1 SE				CONCAVE

If removable, bolts used (describe other fastenings) _____
(Matl., Spec No., Gr., Size, No.)

9. MAWP 1440 psi at max. temp. 130 °F
 Min. design metal temp. -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure 1872 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Material	How Attached	Location
SEE ATTACHED U-4 FORM								

11. Supports: Skirt YES Lugs NIL Legs NIL Other N/A Attached BOTTOM HEAD 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)
V-100 3-PHASE VERTICAL SEPARATOR
IMPACT TEST EXEMPT PER UG-20(f)1-5
DWG. NO.: D-7809-03 REV 0
VOLUME: 22.29 Cu FT.

CERTIFICATE OF SHOP 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. 11313 Expires SEPT. 9, 2004

Date: April 25, 2002 Co. Name: NATCO CANADA LTD. Signed: [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by: NATCO CANADA LTD. at CALGARY, ALBERTA

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 Alberta Boiler Safety Association have inspected the component described in this Manufacturer's Data Report on APR 25 2002 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 APR 25 2002 Signed: [Signature] Commissions: NB10270, B' ALBERTA #11
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)

④ 483264

FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and Certified by Nateco Canada Ltd. 9423 Shepard Rd. S.E. Calgary, AB. T2C 1E2
(Name and address of manufacturer)

2. Manufactured for EXXON/MOBIL BOX 800, CALGARY, AB T2P 2J7
(Name and address of purchaser)

3. Location of Installation L.S.D.: 7 - 16 - 29 - 27 W4M
(Name and address)

4. Type VERTICAL SEPARATOR 7809-03
(Horiz., Vert., or Sphere) (Tank, separator, heat ex., etc.) (Mfg's. serial no.)
P-7312.2 CVRD-024SX-1440-130-00 REV 0 2002
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)

Data Report Item Number

Purpose	No.	Size	Remarks		Attached		Thick-ness	Reinforc. Material	How Attached	Where
			Nozzles Type	Rate	Mat'l Neck	Mat'l Flg				
TI	N14	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
PI	N13	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
WATER LG	N12 b	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
WATER LG	N12 a	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
HC LG	N11 b	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
HC LG	N11 a	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
PSV	N10	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
HLSD	N9	3"	RFLWN	600#	--	SA 105N	0.810"	--	UW16.1(e)	SHELL
INSPECTION	N8 b	4"	RFLWN	600#	--	SA 105N	1.00"	--	UW16.1(e)	SHELL
INSPECTION	N8 a	4"	RFLWN	600#	--	SA 105N	1.00"	--	UW16.1(e)	SHELL
WATER LC	N7	3"	RFLWN	600#	--	SA 105N	0.810"	--	UW16.1(e)	SHELL
HC LC	N6	3"	RFLWN	600#	--	SA 105N	0.810"	--	UW16.1(e)	SHELL
DRAIN	N5	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	BTM HEAD
WATER OUTLET	N4	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
HC OUTLET	N3	2"	RFWN/PIPE	600#	SA 106B	SA 105N	0.344"	--	UW16.1(e)	SHELL
OUTLET	N2	3"	RFLWN	600#	--	SA 105N	0.810"	--	UW16.1(e)	TOP HEAD
INLET	N1	3"	RFLWN	600#	--	SA 105N	0.810"	--	UW16.1(e)	SHELL

Certificate of Authorization: Type: "U" No. 11,313 Expires: SEPT. 9, 2004.

Date: April 25, 2002 Name: Nateco Canada Ltd. Signed: [Signature]
(Manufacturer) (Representative)

Date: APR 25 2002 Name: [Signature] Commission: NB 10270, B, AB #11
(Authorized Inspector) (Natl. Board incl. endorsements, State, Prov. and No.)

Shop Order #: 7809-03