

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-511360
May 25/04

1. Manufactured and certified by: NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, AB T2H 1X6
(Name and address of manufacturer)
2. Manufactured for: NATCO CANADA
(Name and address of purchaser)
3. Location of installation: NATCO STOCK
(Name and address)
4. Type: VERTICAL 42659-55A N-4507.213 V16S1-55 REV "C" 2004
(Horn or Vert. Tank) (Mfr's Serial No.) (CRN) (Dwg. 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
6. Shell: SA 106B 1.031" 0.125" 1'-2" 7'-6"
Matl. (Spec. No. Grade) Norm Thk (in) Cor Allow (in) Diam ID (ft & in) Length (overall) (ft & in.)
7. Seams: S FULL 100% 1150 F 1 1/4 HR
Long (Welded, Dbl. Singl., Lap, Butt) R.T. (Spot or Full) E.T. (%) H.T. Temp (°F) Time (hr)
TYPE 1
Grth (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses
8. Heads (a) Matl. SA 516-70N (Spec. No., Grade) (b) Matl. SA 516-70N (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	0.902"	0.125"			2:1 SE				CONCAVE
b) BOTTOM	0.902"	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 2160 °F
Min. design metal temp. -20 psi Hydro., pneu., or comb. test pressure

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 NIL NIL 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)

VOLUME: 7.43 FT3

3 - PHASE VERTICAL SEPARATOR

IMPACT TEST EXEMPT PER UCS-66 & UG-20(f)

FAB. DRG.: 42659-55 REV 1

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: May 25/04 Co. Name: NATCO CANADA LTD.

(Manufacturer)

Signed:

(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 May 25/04 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 May 25/04 Signed: [Signature]

(Authorized Inspector)

Commissions:

ALBERTA

(Nat'l Board (incl. endorsements), State, Prov. and No.)

