

CCS140

2116

A 3108712

JAN 51/96 #2

FD #2034

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

1. Manufactured and certified by A C & R Components, Inc. 701 S. Main Street, Chatham, Illinois 62629  
(Name and address of manufacturer)
2. Manufactured for Chil-Con Products Limited Brantford, Ontario Canada (A) 3108712  
(Name and address of purchaser)
3. Location of installation Unknown  
(Name and address)
4. Type Horiz. Oil Sep. 13363 - 13372 K7089-5C SN-5467 13363 - 13372 1995  
(HORIZ. OR VERT., TANK) (MFG'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 1992 Edition  
(Year)
- to Dec. 1994 1518-3 NA  
(Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))
8. Shell: SA-53 Grade B .375" None 15.25" I.D. 42.00"  
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams: ERW NA 85 NA NA Joggled NA 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, Partial, or Full)) (No. of Course))
8. Heads: (a) Mat'l. SA-516 Grade 70 (b) Mat'l. SA-516 Grade 70  
(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)	End	.375"	None	NA	NA	2:1	NA	NA	NA	Concave
(b)	End	.375"	None	NA	NA	2:1	NA	NA	NA	Concave

If removable, bolts used (describe other fastenings) -

9. MAWP 400 (Mat'l. Spec. No., Gr., Size, No.) 650 F  
Min. design metal temp. -20 F at 400 psi Hydro., pneu., or comb. test pressure 500 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
In/Outlet	2	3.50"	Welded	SA-53 GR. B	.300"	Integral	Welded	Head
PLug Adapt	1	1.38"	Welded	SA-105	.230"	Integral	Welded	Head
Plug Adapt	1	1.38"	Welded	SA-105	.230"	Integral	Welded	Shell
Plug Adapt	1	1.13"	Welded	SA-105	.203"	Integral	Welded	Shell

11. Supports: Skirt No Lugs 6 Legs - Other - Attached Welded on Shell  
(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: Vessel to be used as an Oil Separator in a refrigeration system.  
(Name of part, item number, Mfg's. name and identifying stamp)

EXEMPT FROM CHARPY IMPACT TESTING PER UG-20 (F) CRN#K7089.5C

## 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. 20159 expires Apr 1, 1997.  
Date Aug 31 1995 Co. name A C & R Components, Inc. Signed [Signature] (Manufacturer) (Representative)

## CERTIFICATE OF SHOP INSPECTION

Vessel constructed by A C & R Components, Inc. at Chatham, Illinois  
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Allendale Mutual Insurance Co. (FMEA)  
have inspected the component described in this Manufacturer's Data Report on Aug 31, 1995, 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 make 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 8/31/95 Signed [Signature] Commissions NB9317, ENDA; ILL1210, OHIO  
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov., and No.)