

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

1. Manufactured and certified by Toromont Process Systems Division of Toromont Industries, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6
2. Manufactured for CNRL 2500 - 855 2nd Street S.W. Calgary, AB T2P 3L8
3. Location of installation LSD: 12-17-75-13W6M
4. Type Horizontal 11778401 P1149.213 SSR-300-01-CS-021 REV 0A 2005
(Name of vessel) (Manufacturer's serial No.) (P No.) (Drawing 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)
- to 2003
(Addenda Date)
6. Shell: SA-516-70N 0.500" 0.125" 2' - 5" 7' - 6"
(Matl. Spec. No. Grade) (Nom. Thickness) (Cor. Allowance) (Chart ID, ft. & in.) (Length overall dr. & in.)
7. Seams: Type 1 Full 1 Type 1 Full 1
(Long. or End, Dr. or Shell Lap Butt) (R T. Spot. or Full) (Type, described, per Shop 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)	End	0.4375"	0.125"			SE 2:1				Concave
(b)	End	0.4375"	0.125"			SE 2:1				Concave

If removable, bolts used (describe other fastenings)

9. MAWP -15 / 245 -20 -15 / 245 psi at max. temp. 250 psi.
Min design metal temp. -20 °F at -15 / 245 psi Hydro., pneu., or comb. test pressure 319 psi.

10. Nozzle, inspection and safety valve openings:

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

11. Supports: Skirt No Legs - Other Saddles Attached Shell & Welded
(Yes or no) (Yes or no) (Describe)
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 Type: Suction Filter Volume: 40.4 Cubic Feet Construction Drawing: 11778-401 Rev. 1
Item: V-1 Impact testing: No; exempt 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, 2005
Date 11/16/2003 Co. name Toromont Process Systems Division of Toromont Industries Signed [Signature]
(Manufacturer)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Toromont Process Systems Division of Toromont Industries 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 Alberta Boilers Safety Association

have inspected the component described in this Manufacturer's Data Report 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 loss of any kind arising from or connected with this inspection.

Date 11/16/2003 Signature [Signature] State Alberta Post code

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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| 1. Manufactured and certified by | Toronto Process Systems Division of Toromont Industries, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6 | | |
| 2. Manufactured for | CNRL 2500 - 855 2nd Street S.W. Calgary, AB T2P 3L8
(Name and address of manufacturer) | | |
| 3. Location of Installation | LSD: 12-17-75-13W6M
(Name and address of purchaser) | | |
| 4. Type: | Horizontal
(Horizontal, vertical, or sphere) | Suction Filter
(Tank separator head with etc.) | 11778401
(Ref. & Serial No.) |
| | P1149213
(CRN) | SSR-300-01-CS-021 REV.0A
(Drawing No.) | 2005
(Year built) |

[illegible]

Certificate of Authorization
06/09
June 26, 2008

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