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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

Manufactured and certified by Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6
2. Manufactured for Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6
3. Location of installation Stock
4. Type Vertical 80417401 R9944.213 OSV-480-03-CS-002 Rev0 2006
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
6. Shell: SA-516-70N 0.750" 0.0625" 3' - 10 1/2" 8' - 6"
7. Seams: Type 1 Spot .85 Type 1 Spot .70 1
8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N

Table with 10 columns: 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). Rows (a) Top and (b) Bottom.

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

Table with 9 columns: Purpose (Inlet, Outlet, Drain), No., Diam. or Size, Type, Matl., Nom. Thk., Reinforcement Matl., How Attached, Location. Row 1: SEE, ATTACHED, U4, FORM.

11. Supports: Skirt No Lugs 3 Legs - Other - Attached Shell & Welded
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
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]
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 23/10/06 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 personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 6/11/03 Signed [Signature] Commissions [Signature]

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

1. Manufactured and certified by Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6  
(Name and address of manufacturer)

Manufactured for Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6  
(Name and address of purchaser)

3. Location of Installation Stock

4. Type: Vertical Oil Separator 80417401  
(Horiz., vert., or sphere) (Tank, separator, heat exch., etc.) (Mfg's. serial No.)

R9944.213 OSV-480-03-CS-002 Rev0 - 2006  
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

Remarks

Data Report Item Number	Purpose (Inlet, Outlet, Drain)	No	Diam. or Size	Type	Matl.	Nom. Thk	Reinforcement	How Attached	Location
10 M1	Manway	1	14" x 18"	Elliptical	SA-106-C	1.00"	-	UW16.1(c)	Head
10 N1	Inlet	1	8"	CL 300 RFSO	SA-105N / SA-234-WPB / SA-106-B	0.593"	-	UW16.1(c)	Shell
10 N2	Outlet	1	8"	CL 300 RFSO	SA-105N / SA-106-B	0.593"	-	UW16.1(c)	Shell
10 N3	Oil Outlet	1	3"	CL 300 RFWN	SA-105N / SA-234-WPB / SA-106-B	0.300"	-	UW16.1(c)	Head
10 N4	PSV	1	3"	CL 300 RFWN	SA-105N / SA-234-WPB / SA-106-B	0.437"	-	UW16.1(c)	Shell
10 C1	Drain	1	1"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Head
10 C2A	LG	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C2B	LG	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Head
10 C3	Oil Fill	1	1"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C4	LSLL	1	1 1/2"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C5	Oil Return	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C6	TE	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C7	LSHH (Opt)	1	1 1/2"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C8	Oil Pump Return	1	1 1/2"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C9	PI/PDI (Opt.)	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C10	TI (Opt.)	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell
10 C11	PDI (Opt.)	1	3/4"	Cplg	SA-105N	CL6000	-	UW16.1(c)	Shell

Certificate of Authorization: Type "U" No. 33,658 Expires November 26, 2008

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

8/11/23 Name [Signature] Commissions altas-  
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)