

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

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1. Manufactured and certified by ROBEN MFG. CO., INC. 760 Vassar Avenue Lakewood, New Jersey 08701
(Name and address of manufacturer)
2. Manufactured for CIBA Specialty Chemicals, P.O. Box 2009, Tarrytown, NY 10591
(Name and address of purchaser)
3. Location of installation CIBA Specialty Chemicals, Box 113, Ciba Road, McIntosh, AL 36553
(Name and address)
4. Type: Vertical 24039 D 24039 Rev. B 9835 2005
(Horiz. or vert. tank) (Mfr'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 2001
Year

- to 03 Addenda (Date) Code Case Nos. None Special Service per UG-120(d) 7' 7 1/4"
6. Shell: SB575 NO6200 .25" 8' 0" ID 7' 7 1/4"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Type 1 Spot 85% -- -- Type 1 Spot
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 Courses
8. Heads: (a) Matl. SB575 NO6200 (b) Matl. SB575 NO6200
(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	.2742"	---	90"	8"	---	---	---	---	Concave
(b)	Bottom	.2742"	---	90"	8"	---	---	---	---	Concave

If removable, bolts used (describe other fastenings)

9. MAWP: FV/50 (Matl., Spec. No., Gr., Size, No.) 400 °F
psi at max. temp. 400
- Min. design metal temp. -20 °F at FV/50 psi. Hydro., pneu., or comb. test pressure Hydrostatic 64 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Manway	1	24"	150# S.O. w/RF	SA240T316L & SB675	.375"	SA-240T316L	UW16.1(d)	Top Head
Spare w/Blind	1	4"	150# Weld Neck	SB575 NO6200	.237"	SA-240T316L	UW16.1(d)	
Inlet	1	4"	150# Weld Neck	SB574 NO6200 & SB 165	.237"	SA-240T316L	UW16.1(d)	
Inlet	1	4"	150# Weld Neck	SB574 NO6200 & SB 165	.237"	SA-240T316L	UW16.1(d)	
Inlet	1	4"	150# Weld Neck w/RF	SB574 NO6200 & SB619	.237"	SA-240T316L	UW16.1(d)	
Level Transmitter	1	4"	150# Weld Neck w/RF	SB574 NO6200 & SB 619	.237"	SA-240T316L	UW16.1(d)	
Spare w/Blind	1	4"	150# Weld Neck w/RF	SB574 NO6200 & SB 619	.237"	SA-240T316L	UW16.1(d)	
Level Switch	1	4"	150# Weld Neck w/RF	SB574 NO6200 & SB 619	.237"	SA-240T316L	UW16.1(d)	

11. Supports: Skirt No Lugs 2 Legs 4 Other Stiffening Rings & Insulation Ring Attached Weld to Shell & Head
(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: ASME Head 96" I.D. x .375" Nom. Part 2-53789-1, 2 Brighton TruEdge Heads Division of Enerfab, Inc.
(Name of part, item number, Mfr's. name and identifying stamp)

"U" 34,243.

Unit will be used 96" L.D. Hast. C2000 Solution Tank. Non-lethal service. Exempted from impact testing as per paragraph UHA-51(d), UCS-66(a) & UNF-65.

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. 24584 expires 1/5, 2008
Date MAR 01 2005 Co. name ROBEN MFG. CO., INC. Signed Abdullah Mathis
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by ROBEN MFG. CO., INC. at 760 Vassar Avenue Lakewood, New Jersey 08701
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 NJ and employed by HSBCT Hartford, CT have inspected the component described in this Manufacturer's Data Report on MAR 01 2005, 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 MAR 01 2005 Signed [Signature] Commissions NB 7050ABNI NJ 476
(Authorized Inspector) (Nat'l Board Incl. endorsements State, Prov. and No.)

Platform 01-02E01

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 ROBEN MFG. CO., INC. 760 Vassar Avenue Lakewood, New Jersey 08701
(Name and address of Manufacturer)

2. Manufactured for CIBA Specialty Chemicals, P.O. Box 2009, Tarrytown, NY 10591
(Name and address of Purchaser)

3. Location of installation CIBA Specialty Chemicals, Box 113, Ciba Road, McIntosh, AL 36553
(Name and address)

4. Type: Vertical Tank 24039
(Horiz., vert., or sphere) (Tank, separator, heat exh., etc.) (Mfg's serial no.)

D 24039 Rev. B 9835 2005
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

Data Report Item Number	Purpose	No	Remarks				
			Size	Flange	Matl	Nozzle THK	Reinforcement
			Type	Nozzle/Flange		NOM/CORR	Material
	Vent	1	4"	150# Weld Neck w/RF	SB574 NO6200 SB619 NO6200	.237"	SA240T316L
							UW16.1(d)
	GITAW	1	12"	150# Slip-On w/RF	SB574 NO6200 SB575 NO6200	.375"	SA240T316L
							UW16.1(d)
	Outlet	1	4"	150# Weld Neck w/RF	SB574 NO6200 SB619 NO6200	.237"	SA240T316L
							UW16.1(d)
	Spare w/Blind	1	4"	150# Weld Neck w/RF	SB574 NO6200 SB619 NO6200	.237"	SA240T316L
							UW16.1(d)
	TE	1	4"	150# Weld Neck w/RF	SB574 NO6200 SB619 NO6200	.237"	SA240T316L
							UW16.1(d)

Certificate of Authorization: Type U No. 24,584 Expires 1/8 2008

Date MAR 01 2005 Name ROBEN MFG. CO., INC. Signed Abhishek Mathur
(Manufacturer) (Representative)

Date MAR 01 2005 Name [Signature] Commission NB 7050ABNI NJ 476
(Authorized Inspector) (Nat'l. Board incl. endorsement, State, Province and No.)

Platcom 01-02E01

02/18/2005 10:34 FAX

HAYNES INTL.

- WINDSOR

002/002

Feb.18. 2005 10:12AM

BRIGHTON TRU EDGE 513 771 2404

No.2415 P. 1

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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1. Manufactured and certified by Brighton Tru-Edge Heads, Division of Enerfab, Inc., 11861 Mosteller, Cincinnati, Ohio 45241
 (Name and address of Manufacturer)

2. Manufactured for HAYNES INTERNATIONAL, NORTHWOOD INDUSTRIAL PARK, 12241 FM 529 RD. HOUSTON TX 77041-2805
 (Name and address of Purchaser)

3. Location of installation Unknown
 (Name and address)

4. Type ASME HEADS 96" ID X .3750" NOM.
 (Description of vessel part (Shell, two-piece head, tube bundle))
PO# 1272 (Drawing No.)
2-53789-1.2 (Mfg's serial No.)
TG# REF 424277 (Drawing prepared by)
2004 (Year built)

5. ASME Code, Section VIII, Div. 1 2001 EDITION/2003 ADDENDA
 (Edition and Addenda (date))
— (Code case No.)
— (Special Service per UG-120(e))

6. Shell (a) No. of course(s): — (b) Overall length (ft & in.): —

6. Shell (a) No. of course(s):				(b) Overall length (ft & in.):													
Course(s)			Material	Thickness		Long. Joint (Cat. A)				Circum. Joint (Cat. A, B, & C)			Heat Treatment				
No.	Diameter, in.	Length (ft & in.)	Spec./Grade or Type	Nom.	Corr.	Type	Full	Spot	None	Eff.	Type	Full	Spot	None	EH	Temp.	Time
—																	
—																	
—																	

7. Heads (a) SB575C2000 UNS# N06200 (b) —
 (Mat'l. Spec. No., Grade or Type) (H.T. - Time & Temp.) (Mat'l. Spec. No., Grade or Type) (H.T. - Time & Temp.)

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Preclude		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	.2800		90.0	8.0							1	FULL	Unk.
(b)													

If removable bolts used (describe other fastening) — (Mat'l. Spec. No., Grade, Size, No.)

8. MAWP — psi at max. temp. — °F Min. design metal temp. — °F at — psi
 (internal) (external) (internal) (external)

9. Impact test No at test temperature of — °F.
 (Indicate yes or no and the component(s) impact tested)

10. Hydro pneu. or comb test press. — Proof test —

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter of size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (inside, open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
—											
—											
—											
—											

12. Supports: Skirt — Lugs — Legs — Others — Attached —
 (Yes or No) (No.) (No.) (Describe) (Where and how)

13. Remarks: No design function by Brighton Tru-Edge Heads, Division of Enerfab, Inc.

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material construction and workmanship of this vessel part conform to the ASME Code, Section VIII, Division 1.

U Certificate of Authorization No. 34,243 Expires November 20, 2006

Date 12-10-04 Name Brighton Tru-Edge Heads, Division of Enerfab, Inc. Signed Michael H. H. R.
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

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 OHIO and employed by HSB CT of Hartford, CT have inspected the pressure vessel described in this Manufacturer's Data Report on 12-10-2004 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 12-10-2004 Signed Michael H. H. R. Commissions OHIO
 (Authorized Inspector) (Natl. Board Incl. endorsements, State, Providence, and No.)