

Form U-2 (Back)

15. Heads: (a) N/A (Material spec. number, grade or type)(H.T. — time and temp) (b) _____ (Material spec. number, grade or type)(H.T. — time and temp)

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

If removable, bolts used (describe other fastenings) _____ (Material spec. number, grade, size, number)

16. MAWP N/A (Internal) _____ (External) psi at max. temp. _____ (Internal) _____ (External) °F. Min. design metal temp. _____ °F at _____ psi

17. Impact test N/A at test temperature of _____ °F (Indicate yes or no and the component(s) impact tested)

18. Hydro., pneu., or comb. Test pressure N/A Proof test _____

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Norn.	Corr.		Nozzle Fig. UW-16.1	Flange Fig. 2-4	
Inlet / Outlet	2	8"	Cl 150 WN	SA-106-B	SA-105	.322"	1/8"	SA-516-70	(C)	(6)	
Press. / Temp.	4	1"	H.C.	SA-105	-----	Cl 3000	1/8"		(C)	---	
Vent / Drain	8	1/2"	H.C.	SA-105	-----	Cl 3000	1/8"		(C)	---	

20. Identification or Part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built

21. Supports: Skirt No (Yes or no) Lugs No (Number) Legs No (Number) Others N/A (Describe) Attached Shell, Welded (Where and how)

22. Remarks: 24-216 Condenser 'Shell', Tema Type -E-
 Bayer CropScience LP, PO No. 610874932.
 Atlas Job No. 13145.
 Pressure relief devices (UG-125) are the responsibility of the user.
 Tubes & Tubesheet MAWP: FV&50 PSI @ 575 deg. F
 Tubes & Tubesheet MDMT: -20 deg. F @ FV&50 PSI
 * Materials meet all the requirements of 316 & 316L.

CERTIFICATE OF SHOP/FIELD COMPLIANCE	
We certify that the statements in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.	
U Certificate of Authorization Number <u>5027</u>	Expires <u>April 30, 2011</u>
Date <u>NOV 03 2010</u> Name <u>ATLAS INDUSTRIAL MANUFACTURING CO.</u> (Manufacturer)	Signed <u>[Signature]</u> (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 <u>NEW JERSEY</u> and employed by <u>HSB CT.</u> of <u>HARTFORD, CT.</u>	
have inspected the pressure vessel part described in this Manufacturer's Data Report on <u>NOV 03 2010</u>	
and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 <u>NOV 03 2010</u> Signed <u>[Signature]</u> (Authorized Inspector)	Commissions <u>NB 7050ABNI, NJ 476</u> (National Board (incl. endorsements), State, Province, and number)

AS 10-22
 CERTIFIED BY
ATLAS CLIFTON, INJ
 INDUSTRIAL MFG. CO. USA
 PART NO. RT-3
 MAMP
 SHELL PSI AT °F
 TUBES PSI AT °F
 MDMT
 SHELL °F AT PSI
 TUBES °F AT PSI
 SERIAL YEAR

NO. 1375
 TUBES AT 15 MAMP 15 & 75 PSI AT 575 °F
 TUBES AT 20 MDMT -20 °F AT 15 & 75 PSI

131475

CAUTION
 THE CODE REQUIRED FOR PRESSURES AND TEMPERATURES
 MARKED ON THE HEAD OF EACH CHANGER RIG IS THE
 BASIC DESIGN CONDITIONS. THESE DESIGN CONDITIONS
 DESIGN HAS BEEN EVALUATED FOR THE SPECIFIC
 OPERATING CONDITIONS SHOWN ON THE HEADS
 DRAWING AND SEVERAL OTHERS. THESE RIGS ARE NOT
 TO BE OPERATED AT OTHER THAN THE OPERATING CONDITIONS