

#102302

8443-2

Items 6-11 incl. to be completed for shells of heat exchangers

If removable, bolts used (describe other fastenings)

(Mail, Spec No., Gr. Size, No.)

Items 12 and 13 to be completed for tube sections

Items 14-17 incl. to be completed for channels of heat exchangers

If removable, bolts used (describe other fastenings)

Holl, Spec. No., Cr. Size, No.

17 MAWP 178 psi at max temp 350 °F Min design metal temp -20 °F at 178 psi
Hydro 1261 (2000) 26 psi

Form U-1 (Back)

18 Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Material	Wall Thk.	Reinforcement Hull	How Attached	Location
Inlet/Outlet	4	3"	150 H-L J.	SB-677, T-904L	.216"		Welded	
Handhole	2	6"	150 H-L J.	SB-625, T-904L	.1875"	SB-625, T-904L	Welded	
Drain/Vent	2	1"	150 H-L J.	SB-464, 20CB	.179"		Welded	
Drain	1	3/4"	H.C.	SB-462, 20CB	3000u		Welded	

19 Supports: Skirt NO Lugs NO Legs 2 Other N/A Attached Shell, Welded
(Yes or no) (No) (No) (Describe) (Where and how)

20 Remarks: Manufacturer's Partial Data Reports Properly identified and signed by commissioned inspectors have been furnished for the following items of the report: N/A
(Name of part, item number, mfg's name and identifying stamp)

20-216 HCN Solution Preheater, Tema Type B-E-M.

Rhone-Paulenc, Inc P.O. # 8549-490020, Item # E-7416, Property # 6376-37418, Asset # 17171

Atlas Job # 8443-2

'UG-46 (a)', 'UHA-51', 'Charpy Impact Exemption'

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. 5027 expires APRIL 30, 19 93
 Date 11-19-92 Co. name ATLAS INDUSTRIAL MANUFACTURING CO Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ATLAS INDUSTRIAL MANUFACTURING CO at 81 SOMERSET PLACE, CLIFTON, N.J.

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 NEW JERSEY and employed by KEMPER NATIONAL INSURANCE COMPANIES

of LONG GROVE, IL have inspected the pressure vessel described in this Manufacturer's Data Report on 11-19-92, 19 92, 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 the 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 11-19-92 Signed [Signature] Commissions NB8265 NJ619A
(Authorized Inspector) (N.B. Board, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the ASME Boiler and Pressure Vessel Code.

'U' Certificate of Authorization No. _____ expires _____, 19 ____
 Date _____ Co. name _____ Signed _____
(Assembler that certified and constructed field assembly) (By Representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____

of _____ have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____ psi. 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 _____ Signed _____ Commissions _____
(Authorized Inspector) (N.B. Board, State, Province and No.)