|  |  |  |  |
| --- | --- | --- | --- |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  | Page |       | of |       |
|  |
| **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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1** |
|  |
| 1. Manufactured and certified by
 |       |
|       |
| (Name and address of Manufacturer) |
| 1. Manufactured for
 |       |
|  | (Name and address of Purchaser) |
| 1. Location of installation
 |       |
|  | (Name and address) |
| 1. Type
 |       |  |       |  |       |
|  | [Description of vessel part (shell, two-piece head, tube bundle)] | (Manufacturer’s serial number) | (CRN) |
|       |  |       |  |       |  |       |
| (National Board number) | (Drawing Number) | (Drawing prepared by) | (Year built) |
| 1. ASME Code, Section VIII, Div. 1
 |       |  |       |  |       |
|  | [Edition and Addenda, if applicable (date)] | (Code Case number) | [Special service per UG-120(d)] |
| 1. Shell:
 |  | (a) Number of course(s) |       | (b) Overall length |       |  |
|  |
| Course(s) | Material | Thickness | Long Joint (Cat. A) | Circum. Joint (Cat. A, B & C) | Heat Treatment |
| No. | Diameter | Length | Spec./Grade or Type | Nom. | Corr. | Type | Full, Spot, None | Eff. | Type | Full, Spot,None | Eff. | Temp. | Time |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| **Body Flanges on Shells** |
| No. | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | Location | Bolting |
| Num & Size | Bolting Material | Washer (OD, ID, thk) | Washer Material |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| 1. Heads: (a)
 |       | (b) |       |
|  | (Material spec. number, grade or type) (H.T. - time and temp.) |  | (Material spec. number, grade or type) (H.T. - time and temp.) |
|  | Location (Top, Bottom, Ends) | Thickness | Radius | EllipticalRatio | ConicalApex Angle | Hemis. Radius | Flat Diameter | Side to Pressure | Category A |
| Min. | Corr. | Crown | Knuckle | Convex | Concave | Type | Full, Spot, None | Eff. |
| (a) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (b) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| **Body Flanges on Heads** |
|  | Location | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | **Bolting** |
| Num & Size  | Bolting Material | Washer (OD, ID, thk) | Washer Material |
| (a) |       |       |       |       |       |       |       |       |       |       |       |       |
| (b) |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| 1. MAWP
 |       |  |       |  | at max. temp. |  |       |  |       | Min. design metal temp. |       | at |       | . |
|  | (Internal) |  | (External) |  |  |  | (Internal) |  | (External) |  |  |  |  |  |
| 1. Impact test
 |       | at test temperature of |       | . |
|  | [Indicate yes or no and the component(s) impact tested] |  |  |  |
| 1. Hydro., pneu., or comb. test pressure
 |       | Proof test |       |
| 1. Nozzles, inspection, and safety valve openings:
 |
| Purpose (Inlet, Outlet, Drain, etc.) | No. | Diameter or Size | Type | Material | Nozzle Thickness | ReinforcementMaterial | Attachement Details | Location(Inspe. Open) |
| Nozzle | Flange | Nom. | Corr. | Nozzle | Flange |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
| 1. Identification of part(s)
 |
| Name of Part | Quantity | Line No. | M fr’s. Identification No. | M fr’s. Drawing No. | CRN | National Board No. | Year Built |
|       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |
|  |  |  |  |  |  |  |  |  |  |
| 1. Supports: Skirt
 |       | Lugs |       | Legs |       | Others |       | Attached |       |
|  | (Yes or No) |  | (Number) |  | (Number) |  | (Describe) |  | (Where and how) |
| 14. Remarks: |       |
|       |
|       |
| (07/17) |  |  |  |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  | Page |       | of |       |
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| **Form U-2A** |
|  |
| Manufactured by |       |
| Manufacturer’s Serial No. |       | CRN |       | National Board No. |       |  |
|  |

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| **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 pressure  |
| vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.  |
| U or PRT Certificate of Authorization No. |       | Expires |       |  |
|  |  |  |  |  |  |
| Date |       | Name |       | Signed |       |  |
|  |  |  | (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 an employed by |
|       | of |       |
|  |  |  |
| have inspected the pressure vessel described in this Manufacturer's Data Report on  |       | , |
| and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel 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 |       | Signed |       | Commissions |       |
|  |  |  | (Authorizied Inspector) |  | [National Board Authorized Inspector Commission number] |
|  |
| (07/17) |

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