

Section VIII, Division 1 to call for an additional test coupon with our normalizing cycle of the dished end?

Reply: The requirements of Section VIII, Division 1 do not specifically request annealing; however, a test coupon would be required if annealing is done.

Interpretation: VIII-79-81

Subject: Section VIII, Division 1, UG-11(c)
Date Issued: December 7, 1979
File: BC79-666

Question: Is it permissible under the provisions of UG-11(c) of Section VIII, Division 1 for a parts manufacturer, who does not hold a Code symbol, to butt weld tubes together in order to furnish "U" tubes in accordance with his standard to a heat exchanger shop, provided all the requirements of UG-11(c)(2)(3) and (4) are satisfied?

Reply: Yes.

Interpretation: VIII-79-83

Subject: Section VIII, Division 1, SA-285
Date Issued: December 13, 1979
File: BC79-781

Question: Would the requirements of the "Basis of Purchase" paragraph in SA-285 be satisfied if the boiler manufacturer listed the ASME designation "ASME SA-278 W78 Grade C" rather than "ASTM A285-77 Grade C"?

Reply: The requirements of the "Basis of Purchase" sections of the material specifications would be satisfied by the procedure suggested above.

Interpretation: VIII-79-84

Subject: Section VIII, Division 1, UW-15(c)
Date Issued: December 17, 1979
File: BC79-738

Question: Does the requirement for providing at least one telltale hole for reinforcing plates and saddles in UW-15(c) of Section VIII, Division 1 apply to reinforcing plates and saddles which are not associated with nozzles or other connections?

Reply: No.

Interpretation: VIII-79-85

Subject: Section VIII, Division 1, UW 12 and UG-116
Date Issued: December 21, 1979
File: BC79-625

Question (1): Seamless ellipsoidal heads of a Section VIII, Division 1 vessel are attached to a cylindrical shell having a spot radiographed Type 1, Category A joint by Type 1, Category B joints which

are partially radiographed in accordance with UW-11(a)(5). Longitudinal stresses do not govern for any part.

For the seamless heads, what joint efficiency and percent of allowable stress shall be used?

Reply (1): The joint efficiency shall be 1.0 (see UG-32) and the percent of allowable stress shall be 100%. [See UW-12(b). Also see UA-265(b).]

Question (2): For the shell of the vessel described in Question (1), what joint efficiency and percent of allowable stress shall apply?

Reply (2): The joint efficiency shall be 0.85 [see UW-12(b)] and the percent of allowable stress shall be 100% [See UW-12(b). Also see UA-265(g)]

Question (3): In accordance with UG-116(f), what markings shall be applied to the vessel to indicate the degree of radiography?

Reply (3): The marking "RT-4" shall be applied.

Interpretation: VIII-79-86

Subject: Section VIII, Division 1, U-1
Date Issued: December 21, 1979
File: BC79-626

Question: It is desired to fabricate an electric resistance heated water heater that is within the Scope of Section IV using austenitic stainless steel (SA-240, Type 304 or 316). Since Section IV does not permit the use of this material, may such a vessel be built and stamped under Section VIII, Division 1?

Reply: No. Vessels within the Scope of another Code section should not be constructed in accordance with Section VIII unless, as for unfired steam boilers, specific provisions are included for such construction. See U-1(c)(1) and U-1(g).

Interpretation: VIII-79-87

Subject: Section VIII, Division 1, UW-2(a)(3)
Date Issued: December 21, 1979
File: BC79-737

Question (1): Are sketches (g) and (o) of Fig. UW-16.1 full penetration Category D joints which satisfy the requirements of UW-2(a)(3)?

Reply (1): Yes.

Question (2): Are sketches (g) and (o) of Fig. UW-16.1 butt welded joints which would require full radiography under the provisions of UW-2(a) and UW-11(a)?

Reply(2): Sketches (g) and (o) of Fig. UW-16.1 do not contain butt welded joints. In Fig. UW-16.1, only sketches (q-1) through (q-4) illustrate butt welded joints. Also see the definition of a butt joint in QW-492 of Section IX.

Interpretation: VIII-80-01