



MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

(A) No. 413607 NSAE Rq 28 h

Manufactured by: Chadco Canada Ltd. Box 24, Halkirk, AB T0C 1M0

Manufactured for: Chadco Canada Ltd. Box 24, Halkirk, AB T0C 1M0

Ultimate Owner: Resale

Location of Installation: Stock

Mfg. Serial No. C-9906 A/B Code: ASME B31.3, Edition 1999 Addenda 1999

Drawing Number CCV-3D-C Year Built 1999 Intended Service Line Heater

a. Material Specifications SA-106-B SA-105-N 600 ANSI - RFWN

b. Material Specifications SA-106-B SA-105-N 2500 ANSI - RTJ

a. Diameter 3.500 in. Nom. Thickness 0.300 in. O/A Length 60.21 ft C.A. 1/16"

b. Diameter 3.500 in. Nom. Thickness 0.438 in. O/A Length 171.64 ft C.A. 1/16"

a. Maximum Working Pressure 1350 psi at Maximum Temperature 200°F / -20°F

b. Maximum Working Pressure 3944 psi at Maximum Temperature 200°F / -20°F

a. Hydrostatic Test Pressure 2025 psi kPa C.R.N. L 3369.213

b. Hydrostatic Test Pressure 5916 psi kPa C.R.N. L 3369.213

Heating Surface (a) 55.14 sq.ft (b) 157.20sq.ft Radiography 100% (Random, % or Full)

Volume (a) 1.90 cu.ft (b) 4.91 cu.ft P.W.H.T. Yes - 1150°F for 60 minutes

Remarks: To ASME B31.3. Impact test exempt per table 323.2.2 Column A

CERTIFICATE OF COMPLIANCE

We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this coil bundle are in accordance with Registered Design No. L 3369.213

Date: Dec 10, 99 Signed: [Signature] For Chadco Canada Ltd. Manufacturer

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, a duly authorized Safety Codes Officer employed by The Alberta Boilers Safety Association have inspected the above Heater Coils and state that, to the best of my knowledge and belief, the construction is in accordance with the Alberta Safety Codes Act and Regulations

Date: Dec 10, 99 Signed: [Signature]