



**MANUFACTURER'S DATA REPORT
FOR INDIRECT FIRED
HEATER COILS**

(A) No. 466708

Manufactured by Rushton Gas & Oil Equipment (1991) Ltd. 2331-121 Avenue NE Edmonton, AB. T6S 1B2

Manufactured for Apache Canada Ltd. 10th Floor, 700-9th Avenue SW Calgary, AB T2P 3V4

Ultimate Owner Apache Canada Ltd. 10th Floor, 700-9th Avenue SW Calgary, AB T2P 3V4

Location of Installation LSD# Stock

Mfg. Serial No. C2123L.CB Code: ASME B31.3, Edition 2002 Addenda _____

Drawing Number C-547-E Rev. 1 (preheat) Year Built 2004 Intended Service Gas

Drawing Number C-472-B Rev. 1 (reheat) Year Built 2004 Intended Service Gas

a. Material Specifications SA-106-B SA-105-N RTJWN 1500#
(preheat) Coil Ends (Flanges/N.P.T.) Rating

b. Material Specifications SA-106-B SA-105-N RTJWN 900#
(reheat) Coil Ends (Flanges/N.P.T.) Rating

a. Diameter 3" Nom. Thickness SCH 160 O/A Length 73.39' C.A. 0.125"

b. Diameter 3" Nom. Thickness SCH 160 O/A Length 49.03' C.A. 0.125"

a. Maximum Working Pressure 21608 preheat kPa at Maximum Temperature 93 °C

b. Maximum Working Pressure 13962 reheat kPa at Maximum Temperature 93 °C

a. Hydrostatic Test Pressure 32413 preheat kPa C.R.N. N5883.21

b. Hydrostatic Test Pressure 20947 reheat kPa C.R.N. N3172.21

Heating Surface 6.25 m2 preheat 4.17 m2 reheat Radiography 100% (Random, % or Full)

Volume 0.077 m3 preheat 0.0515 m3 reheat P.W.H.T. 60 min. @ 620° C

Remarks Impact test not required per Fig. 323.2.2A.

Minimum Design Temp. -29° C Construction Dwg.# C-2123-F Rev. 2

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. N5883.21 & N3172.21

Date MAR. 15, 2004 Signed [Signature] For Rushton Gas & Oil Equipment (1991) Ltd.
(Representative) (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 MAR 24 2004 Signed [Signature]