

MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

PARTIAL ☐

A #: 549227

Manufactured By:	NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, AB T2C 4R6
Manufactured For:	DEVON CANADA CORPORATION 3000, 400 - 3RD AVE SW, CALGARY, AB T2P 4H2
Ultimate Owner:	AS ABOVE
Location of Installation:	9 - 8 - 73 - 9 W6M

Manufacturer Serial No.	Construction Drawing No.	CODE: ASME	Year Built
8474 -52A	D-8474-52 REV 1	Edition 2004 Addenda --	2006

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a 3" XXH 2500#	3375 psi	200°F	-20°F	0.125"	RD-520300-00	L5831.21
b 3" S160 900#	1440 psi	200°F	-20°F	0.125"	RD-520300-00	L5831.21
c 1" S160 3000#	1440 psi	200°F	-20°F	0.0625"	RD-520100-00	L5844.2
d						
e						

COIL

Tubes			End Closures				Openings		
Mat'l Spec.	Diameter	Thickness	Return Bend	Mat'l Spec.	Flanges	Rating	Mat'l Spec.	Size/Type	Rating
a SA 106B	3	0.600"	SA234 WPB	0.600"	SA 105N	1500#			
b SA 106B	3	0.438"	SA234 WPB	0.438"	SA 105N	900#			
c SA 106B	1	0.250"	SA234 WPB	0.250"	SA 105N	3000#			
d									
e									

HEADERS/MANIFOLDS

Purpose	Size	Shell		Ends		Openings		
		Mat'l Spec.	Thickness	Mat'l Spec.	Thickness	No.	Size/Type	Rating
f								
g								

TEST PRESSURE, NDE AND POST WELD HEAT TREATMENT

	Hydrostatic Test Pressure	Radiograph (100% or % Random)	Other NDE (MT) (PT) (UT)	Post Weld Heat Treatment		Overall Length	Heating Surface	Volume
				Temp.	Time			
a	5063 psi	100%		1150°F	1 HR	13' - 8 5/8"	81.9 SQ. FT.	3.358 CU.FT.
b	2160 psi	100%		1150°F	1 HR	13' - 8 5/8"	54.7 SQ. FT.	2.744 CU.FT.
c	2160 psi	100%		1150°F	1 HR	7' - 7 3/16"	5.25 SQ.FT.	0.141 CU.FT.
d								
e								
f								
g								

IMPACT TESTING: IMPACT TEST EXEMPT PER 323.3

REMARKS: PROCESS COIL FOR INDIRECT FIRED HEATER

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 the above Provincial Registered Design.

Date FEB - 9 2006 Signed [Signature] For NATCO CANADA LTD.
(Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, a duly authorized Safety Codes Officer employed by ABSA has 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 Feb 9/06 Signed [Signature]