

MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2005-10

* Corrected

A0542875

PARTIAL ☐

A #: 542875

| | |
|----------------------------------|--|
| 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: | LSD: 2 - 25 - 73 - 10 W6M |

| | | | |
|--------------------------------|---------------------------------|-------------------------|-------------------|
| Manufacturer Serial No. | Construction Drawing No. | CODE: ASME B31.3 | Year Built |
| 8482 -52 | D-8482-52 REV 2 | 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" XXH 900# | 3375 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 | | |
|---|-------------|----------|-----------|--------------|-----------|-------------|--------|-------------|-----------|--------|
| | | | | Return Bend | | Flanges | | | | |
| | Mat'l Spec. | Diameter | Thickness | Mat'l Spec. | Thickness | Mat'l Spec. | Rating | Mat'l Spec. | Size/Type | Rating |
| a | SA 106B | 3 | 0.600" | SA234 WPB | 0.600" | SA 105N | 1500# | | | |
| b | SA 106B | 3 | 0.600" | SA234 WPB | 0.600" | SA 105N | 1500# | | | |
| 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 | 5063 psi | 100% | | 1150°F | 1 HR | 13' - 8 5/8" | 81.9 SQ. FT. | 3.358 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 MAR 20 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 MAR 20 2006 Signed [Signature] AB #40

In accordance with the provisions of the Safety Codes Act

Complete both sides of this Form

Partial Data Reports, properly identified and certified by ABSA-authorized contractors, as listed below are attached to and form part of this Data Report ☐

| No. | Line No. | Spool No. | Drg. No. (with Rev. No.) | Contractor (Name) | AQP No. | Expiry date |
|-----|----------|-----------|-----------------------------|----------------------|------------|----------------|
| | | | | | | |
| | | | | | | |
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Remarks: Provide additional comments including noting any code work that was not performed by the ABSA-authorized contractor(s) supplying this document as a Partial Data Report but which must be completed by another ABSA-authorized contractor who assumes overall responsibility for conformance with the Safety Codes Act & Regulations and applicable ASME Codes, and who assures that all required code work is completed prior to putting the piping system into service.

Endorse certificate 'A' or 'B'

A. CERTIFICATE OF COMPLIANCE

Signed by the subcontractor when supplying this certificate as a
Partial Data Report

We certify that the statements in this Data Report are correct and that materials, construction and workmanship of the piping fabrication conform to the registered quality system and the applicable Piping code(s).

Date: _____
Subcontractor

Print Authorized Representative's Name

Signature

**This certificate is not valid unless it forms part of a
Final Data Report signed by Primary Contractor**

B. CERTIFICATE OF COMPLIANCE

Signed by the primary contractor when supplying this certificate as a
Final Data Report

We certify that the statements in this Data Report are correct and that piping job no. 8482, described in this Data Report was constructed in accordance with the Province of Alberta Safety Codes Act and Regulations, and applicable ASME Piping Code(s).

Date: MAR 18 2006 Natco Canada Ltd.

Primary Contractor

Print Authorized Representative's Name

Signature

CERTIFICATE OF INSPECTION

I, the undersigned, employed by GPI INSPECTION have inspected the piping job no. 8482 described in this Construction Data Report and state that, to the best of my knowledge and belief, the Contractor has constructed this piping in accordance with the applicable Sections of the ASME Piping Codes and Province of Alberta Safety Codes Act and Regulations.

Date: 28/03/06

Date: _____

McDonald J

Print Owner's Inspector's Name

J McDonald

Owner's Inspector's Signature

Name: _____

Sign.: _____

ABSA Safety Codes Officer
(BOILER EXTERNAL PIPING ONLY)