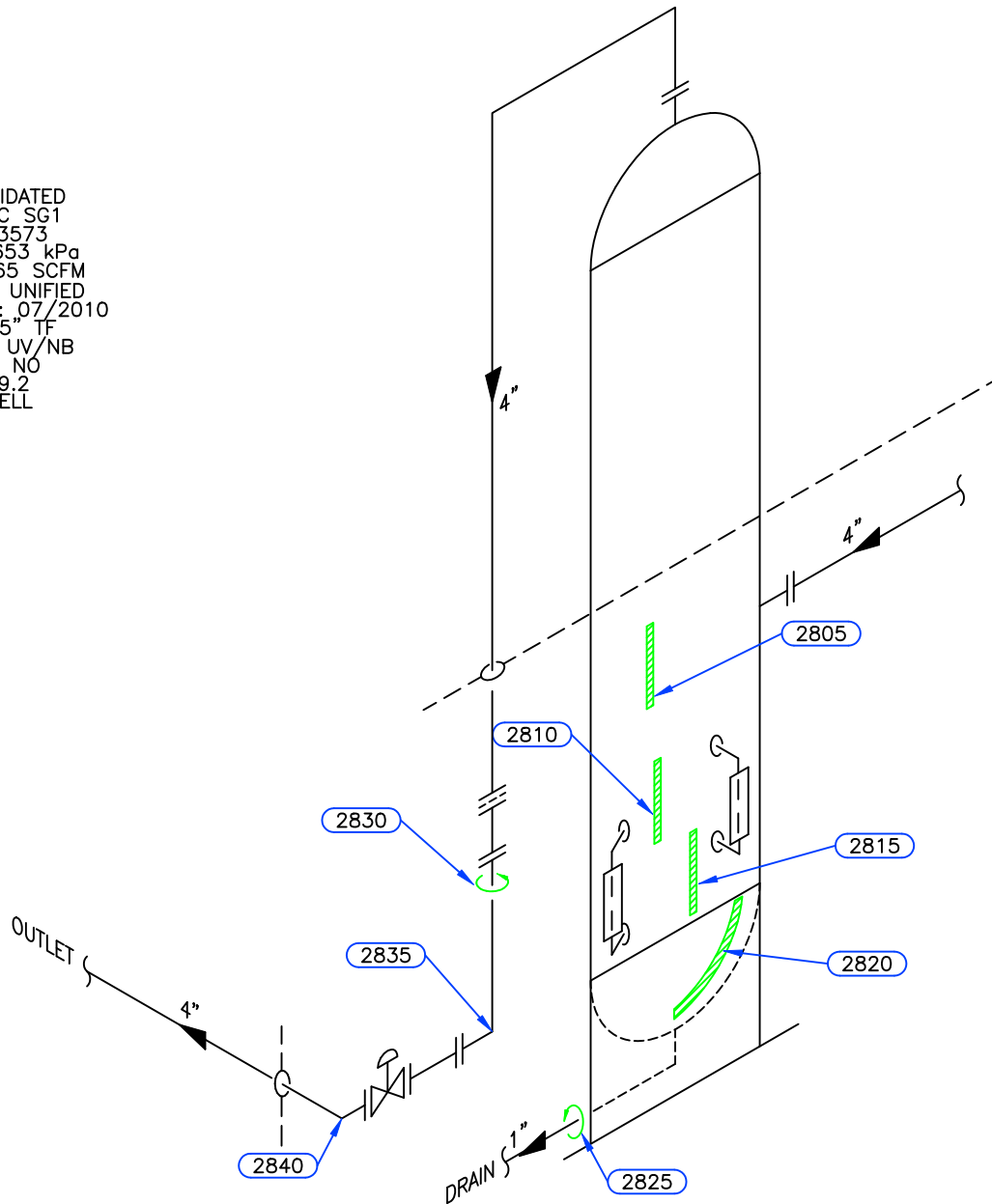


**PSV DATA**

MFG: CONSOLIDATED  
 MODEL: 1993C SG1  
 SERIAL: 94C 3573  
 SET PRES: 9653 kPa  
 CAPACITY: 6865 SCFM  
 SERVICED BY: UNIFIED  
 SERVICE DATE: 07/2010  
 SIZE: 1" x 1.5" TF  
 CODE STAMP: UV/NB  
 BLOCK VALVE: NO  
 CRN: OG 0449.2  
 LOCATION: SHELL  
 TAG: 16655F



Equip. No. T-710 Prov. Reg. No. Ⓐ 2985086 C.R.N. H-5750.1 Serial No. 94072-AA Yr. Inst. \_\_\_\_\_  
 Code/Div. ASME VIII, DIV1 Size: 24in x 28ft Manufacturer: PROPAK SYSTEMS Yr. Blt. 1994  
 C. Stamp: U Service: SOUR PWHT: HT Radiography: RT-1 Insulated: NO

**Design & Materials Data**

HEAD:  
 Top Mat'l. SA 516 70N Top Nom. 25.4mm Top C.A. 1.6mm  
 Btm. Mat'l. \_\_\_\_\_ Btm. Nom. \_\_\_\_\_ Btm. C.A. \_\_\_\_\_  
 CHANNEL:  
 Material: \_\_\_\_\_ Nominal: \_\_\_\_\_ C.A. \_\_\_\_\_  
 BOOT  
 Head Mat'l. \_\_\_\_\_ Head Nom. \_\_\_\_\_ Head C.A. \_\_\_\_\_  
 Shell Mat'l. \_\_\_\_\_ Shell Nom. \_\_\_\_\_ Shell C.A. \_\_\_\_\_  
 SHELL  
 Material: SA 516 70N Nominal: 25.4mm C.A. 1.6mm  
 MAWP Shell Side: 9653 kPa @ Temp. 66°C  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

|          |   |          |  |
|----------|---|----------|--|
| CLIENT   | CANADIAN NATURAL RESOURCES                          |          |  |
| FACILITY | CHOWADE<br>COMPRESSOR STATION<br>LSD c-29-L/94-B-09 |          |  |
| ITEM     | GLYCOL<br>CONTACTOR                                 |          |  |
| BY: KM   | DATE: 01/2009                                       | DWG.# 28 |  |

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** GLYCOL CONTACTOR  
**CRN#:** H-5750.1  
**PROV REG:** A 2985086  
**TESTED ON STREAM**

**FACILITY:** CHOWADE COMPRESSOR STATION  
**SERVICE:** SOUR  
**LOCATION:** c-29-L/94-B-09  
**RTD JOB #:** 10.112837  
**REFER TO DRAWING:** 28

| Test Point               | THICKNESS DATA |   |      |   |      |   | Flag  | T-Min | C.A. | Nom.  | Short Term | Long Term | Ave. mm/py | Retirement Date |
|--------------------------|----------------|---|------|---|------|---|-------|-------|------|-------|------------|-----------|------------|-----------------|
| 2805                     |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| Description: MID SHELL   |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
|                          | 2005           | 5 | 2009 | 1 | 2013 | 2 |       |       |      |       |            |           |            |                 |
| Min. Thick.              | 26.9           |   | 26.7 |   | 26.7 |   | 23.80 | 23.6  | 1.6  | 25.40 | 0          |           | .03        |                 |
| Average:                 | 27             |   | 26.8 |   | 26.8 |   |       |       |      |       | 0          |           | .03        | 2096            |
| Analysis:                |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| 2810                     |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| Description: MID SHELL   |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
|                          | 2009           | 1 | 2013 | 2 |      |   |       |       |      |       |            |           |            |                 |
| Min. Thick.              | 26.4           |   | 26.4 |   |      |   | 23.80 |       | 1.6  | 25.40 | 0          |           | 0          |                 |
| Average:                 | 26.5           |   | 26.5 |   |      |   |       |       |      |       | 0          |           | 0          |                 |
| Analysis:                |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| 2815                     |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| Description: LOWER SHELL |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
|                          | 2009           | 1 | 2013 | 2 |      |   |       |       |      |       |            |           |            |                 |
| Min. Thick.              | 26.5           |   | 26.5 |   |      |   | 23.80 |       | 1.6  | 25.40 | 0          |           | 0          |                 |
| Average:                 | 26.6           |   | 26.6 |   |      |   |       |       |      |       | 0          |           | 0          |                 |
| Analysis:                |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| 2820                     |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
| Description: BOTTOM HEAD |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |
|                          | 2009           | 1 | 2013 | 2 |      |   |       |       |      |       |            |           |            |                 |
| Min. Thick.              | 30.2           |   | 29.2 |   |      |   | 23.80 | 22.7  | 1.6  | 25.40 | .24        |           | .24        |                 |
| Average:                 | 30.5           |   | 29.4 |   |      |   |       |       |      |       | .27        |           | .27        | 2033            |
| Analysis:                |                |   |      |   |      |   |       |       |      |       |            |           |            |                 |

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** GLYCOL CONTACTOR PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** CHOWADE COMPRESSOR STATION  
**SERVICE:** SOUR  
**LOCATION:** c-29-L/94-B-09  
**RTD JOB #:** 10.112837  
**REFER TO DRAWING:** 28

| Test Point                | THICKNESS DATA |   |      |   | Flag | T-Min | C.A. | Nom. | Short Term | Long Term | Ave. mm/py | Retirement Date |
|---------------------------|----------------|---|------|---|------|-------|------|------|------------|-----------|------------|-----------------|
| <b>2825</b>               |                |   |      |   |      |       |      |      |            |           |            |                 |
| Description: 1" CIRC BAND |                |   |      |   |      |       |      |      |            |           |            |                 |
|                           | 2009           | 1 | 2013 | 2 |      |       |      |      |            |           |            |                 |
| Min. Thick.               | 6.3            |   | 6.3  |   | 4.46 | .6    | 5.10 | 0    | 0          |           |            |                 |
| Average:                  | 6.5            |   | 6.5  |   |      |       |      | 0    | 0          |           |            |                 |
| Analysis:                 |                |   |      |   |      |       |      |      |            |           |            |                 |
| <b>2830</b>               |                |   |      |   |      |       |      |      |            |           |            |                 |
| Description: 4" CIRC BAND |                |   |      |   |      |       |      |      |            |           |            |                 |
|                           | 2009           | 1 | 2013 | 2 |      |       |      |      |            |           |            |                 |
| Min. Thick.               | 5.8            |   | 5.8  |   | 5.25 | .8    | 6.00 | 0    | 0          |           |            |                 |
| Average:                  | 6              |   | 6    |   |      |       |      | 0    | 0          |           |            |                 |
| Analysis:                 |                |   |      |   |      |       |      |      |            |           |            |                 |
| <b>2835</b>               |                |   |      |   |      |       |      |      |            |           |            |                 |
| Description: 4" 90° ELBOW |                |   |      |   |      |       |      |      |            |           |            |                 |
|                           | 2005           | 5 | 2009 | 1 | 2013 | 2     |      |      |            |           |            |                 |
| Min. Thick.               | 6.7            |   | 6.3  |   | 6.3  |       | 5.25 | .8   | 6.00       | 0         | .05        |                 |
| Average:                  | 6.8            |   | 6.4  |   | 6.4  |       |      |      |            | 0         | .05        |                 |
| Analysis:                 |                |   |      |   |      |       |      |      |            |           |            |                 |
| <b>2840</b>               |                |   |      |   |      |       |      |      |            |           |            |                 |
| Description: 4" 90° ELBOW |                |   |      |   |      |       |      |      |            |           |            |                 |
|                           | 2009           | 1 | 2013 | 2 |      |       |      |      |            |           |            |                 |
| Min. Thick.               | 5.9            |   | 5.9  |   | 5.25 | .8    | 6.00 | 0    | 0          |           |            |                 |
| Average:                  | 6.2            |   | 6.2  |   |      |       |      | 0    | 0          |           |            |                 |
| Analysis:                 |                |   |      |   |      |       |      |      |            |           |            |                 |