FEPT 10/18

## FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

|  | ured and certifi  | ес ву  |   | EAU  |  |   | - Marine and Control  |   | (Na  | me and                                  | metalco inc.)  | cturer)          |  |  |  |  |  |                                  |
|--|---|--|---|--|--|---|---|---|--|---|--|------------------|--|--|--|--|--|----------------------------------|
| Manufact   | ured for  |  |   | GRB Engineering Ltd., 1000, 707 - 7th Avenue S.W., Calgary, AB T2P 3H6  (Name and address of Purchaser)  Cenovus Energy, Pelican Lake SAGD - GRB Project #172, Pelican Lake, AB LSD# 12-7-82-22-W4M  |  |   |   |   |  |   |  |                  |  |  |  |  |  |                                  |
| Location   | of installation   |  | -   |  | enovus   | Energy, I   | Pelican   | Lake  | SAGD - GF  |   |  | lican            | Lake   | AB   | LSD#   | 12-7-8                                     | 12-22-W4   | <u> </u>                         |
| F20  |   |  | Horis   | ontal  |  |   |   |   | Heat Exc   | 1.7                                     | ame and address)   |                  |  |  |  | 10-31                                      | 55A  |                                  |
| Type HOTI:<br>(Horiz., ver<br>V2159.2  |   |  |   | The second secon       |  |   |   |   |  |   |  |                  |  | (  | Mig's seri   | tal No.)                                   |  |                                  |
|  |   |  |   | 10-3155A/B Rev.2   |  |   |   |   |  |   |  |                  |  |  |  | 201  |  |                                  |
|  | (CRN)   |  |   |  |  | 2007-20   | (Drawing  | No.j  |  | (Nat1. Bd No.)                          |  |                  |  | 40.)   |  |  | (Year I  | 3UN()                            |
| ASME Co  | ode, Section V  | III, Div.  | 1   | ;·····   | Edit   | ion and Adde  |   | )   |  |   | Code Case N  | D.               |  |  | Special  | Service                                    | per UG-120(d   | 1)                               |
| me 6.11  | incl to be o  | omple  | ted for   | single w   | all vess   | els, jacketi  | of jack   | eted ve   | ssels, shel  | l of h                                  | eat exchangers   | , or ch          | amber  | of mult  | i-chembe   | r vesse                                    | is.  |                                  |
|  | ) No. of Course   |  |   |  |  | 1   |   |   | Overall length   |   |  | 22               | -51  | /2"  |  |  |  |                                  |
|  |   |  |   | 1  |  |   |   |   |  |   |  | <del></del> i    |  |  |  |  |  |                                  |
|  | Course(s)   |  |   |  | Ma   | terial  |   | Thic  | kness  |   | Long Joint (Cat.A)   |                  | Circ   | um. Joint  | Cal. A.B.  | s C)                                       | Heat Tre   | alment                           |
| No.  | Diameter, in.   | Length   | (ft & in.)  |  | Spec /Gra  | ade or Type   | <u>i</u>  | Nom. Corr.  |  | Type Full Spot None                     |  | Eff. Type        |  | Full,Spo   | t,None   | Eff.                                       | Temp.  | Time                             |
| 1  | 16"   | 22' -  | 5 1/2"  |  | SA333-6  |   | 1.219"  |   | 1/8"   | S                                       | -  | 1.0              | 1  | Full   |  | 1.0  | 1150°F   | 1.5 Hrs                          |
|  | i   |  |   |  |  |   |   |   |  |   | <br>   |                  |  |  |  |  |  |                                  |
|  |   | ,  |   | !  |  |   |   |   |  |   |  |                  | i  |  | i  |  |  |                                  |
| Heads:   | (a)   |  |   |  |  |   |   | 1011111111111111  |  | 403                                     | (b)  |                  | SA   | 16-70N   | 1  | .5 Hrs.                                    | @ 11509  | =                                |
| riodos.  | (=)   |  |   | (Math Spec. No., Grade or Type)  |  |   |   | e) H.T Time & Temp.   |  |   |  | (Mat'l Spec      |  | ipec. No.,   | ec. No., Grade or Type                                 |  | a) H.T Time & Temp.  |                                  |
|  | Location (  | 00.  | Thickness   |  | Radius   |   | Elliptical  |   | Conical  | Hemispherical                           |  | Flat             |  | Side to Pressure   |  |  | Category A   |                                  |
|  | Bottom, Er  |  | Min.  | Corr.  | Crown  | Knuckle   | Rati  | io  | Apex Angle   |   | Radius   | Diar             | neter  | Convex   | Concave  | Туре                                       | Full, Spot. No   | ne Eff                           |
| (a)  | 1   |  |   | 1  |  |   |   |   | ļ<br>  |   |  |                  |  |  |  |  |  | ····                             |
| (b)  | End   | 7  | 1.125"  | 1/8"   |  |   | 2:  | 1   |  |   |  |                  |  |  | _X   |  |  |                                  |
| If bar, gi   | To be part of the   | 1860<br>nternal)   |   | (externa   |  | max. temp   | 428<br>(internal  | )   | (external)   |   | (Mat'l Spec. No., Clacket closure  |                  |  | (Descri  | e as ogee  |  | ed, describe o   | 220 00                           |
| MAWP   | ive dimensions  |  | N   | o, nozz  | le neck  | s, tubes &  | (internal<br>tubesi   | heet ex   | cempt per  | UG-2                                    | *F Min. design   | metal            | lemp.  | (Descri  | -20  | If bolte                                   | ed, describe of the state of th | 200 00                           |
| MAWP   | ive dimensions  |  | N   | o, nozz  | le neck  | s, tubes &  | (internal<br>tubesi   | ylinde  | cempt per<br>r & flange  | UG-2                                    | Scket closure  | 66(g)            | lemp.  | (Descri  | -20  | If bolts                                   | ed, describe of the state of th | 220 00                           |
| MAWP   | ive dimensions (i   | nternai)   | N <sub>c</sub>  | o, nozz  | le neck  | s, tubes &<br>per UCS-6   | (internal<br>tubesi   | ylinda<br>(Indica   | cempt per<br>r & flange  | UG-2                                    | "F Min. design 20(f)(1-5). Impt per UCS  | 66(g)            | lemp.  | (Descri  | -20  | If bolts                                   | ed, describe of the state of th | 200 00                           |
| MAWP  Impect to  | ive dimensions  | nternal)   | Co<br>SS.   | o, nozz  | ile neck   | s, tubes &<br>per UCS-6   | (internal<br>tubes)<br>i6(a). C   | ylinde<br>(Indice   | cempt per<br>r & flange  | UG-2<br>s exe                           | ** Min. design  **O(f)(1-5).  **impt per UCS-  **component(s) impa  **Proof test   | 66(g)            | lemp.  | (Descri  | -20  | If bolts                                   | ed, describe of at 180   | 60 psi                           |
| MAWP  ). Impact to  1. Hydro; ems 12 a   | test pneu_or comb.  | nternal)   | Co<br>ss.   | o, nozz  | le neck  | s, tubes &<br>per UCS-6   | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5                                     | ylinde<br>(Indice   | r & flange   | UG-2<br>s exe<br>nd the                 | "F Min. design 20(f)(1-5). Impt per UCS- component(s) impa Proof test  | 66(g)            | temp.  | (Descri  | -20  | If bolts                                   | ed, describe of at 180   | 60 psi                           |
| MAWP  0. Impact to 1. Hydro; tems 12 a   | test pneu_or comb.  | nternal)   | Co<br>ss.   | tube si  | le neck  | s, tubes &<br>per UCS-6   | (internal<br>tubes)<br>i6(a). C   | ylinde<br>(Indice   | r & flange   | UG-2<br>s exe<br>nd the                 | ** Min. design  **O(f)(1-5).  **impt per UCS-  **component(s) impa  **Proof test   | 66(g)            | lemp.  | (Descri  | -20  | If bolts                                   | ed, describe of at 180   | 60 psi                           |
| MAWP  ). Impact to  1, Hydro.;  ems 12 a  2, Tubeshi   | (i) test pneuor.comb and 13 to be   | nternal) test pres   | Coss. Seted for SA5   | tube si  | le neck  | s, tubes &<br>per UCS-6   | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5                                     | ylinde<br>(Indice   | r & flange   | UG-2<br>s exe<br>nd the                 | "F Min. design 20(f)(1-5). Impt per UCS. component(s) impa Proof test 3375"  | 66(g)            | temp.  at lest b   | (Descri  | -20  | If bolts                                   | ed, describe of at 180   | 60 psi                           |
| MAWP  Impact to the first transfer of the fi | (in test in the second of the | nternal) test pres   | Coss. SA5 Sustionary (  | tube so<br>16-70N  | le neck  | s, tubes & per UCS-6  | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5                                     | ylinda<br>(Indica<br>ii<br>62"<br>ect to pre                      | r & flange: te yes or no a   | UG-2<br>s exe<br>nd the a               | "F Min. design 20(f)(1-5). Impt per UCS. component(s) impa Proof test 3375"  | 66(g)            | temp.  at lest b   | (Descri  | -20  | If bolts                                   | ed, describe of at 186 *F.   | 60 ps                            |
| MAWP  ). Impact to  (i. Hydro.; ems 12 a  2. Tubashi   | (in test in the second of the | test pres  | Coss. SA5 Sustionary (  | tube si<br>16-70N<br>Mari Sper   | ections.   | s, tubes & per UCS-6  | (internal<br>is tubes)<br>66(a). C<br>2418 ps<br>13.5                                     | ylinde<br>(Indice<br>ii<br>62"<br>ect to pre                      | r & flange: te yes or no a   | UG-2<br>s exe<br>nd the d               | "F Min. design 20(f)(1-5). Impt per UCS- component(s) impa Proof test 9375"  | 66(g)            | 3/16<br>corr. Alic   | (Descriture)  www.in.  | -20  | If bolts F i N/A Attach                    | ed, describe et at 188 *F. Bolted ment (welder tachment  | 60 ps                            |
| MAWP  3. Impact to 1, Hydro., f. ems 12 a 2, Tubeshi Fi 3. Tubes:  | test pneuor comb. and 13 to be  | test pres<br>comp  | Constant of the second of the | tube si<br>16-70N<br>Mari Special  | ections.   | s, tubes & per UCS-6  | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | ylinda<br>(Indica<br>ii<br>62"<br>ect to pre                      | r & flanger te yes or no a  ss.)  Nom. thk., i   | 3.9 Norm                                | "F Min. design 20(f)(1-5). Impt per UCS- component(s) impa Proof test 9375"  a. thk. (n.   | 66(g)            | 3/16<br>corr. Alic   | (Descrit   | -20<br>e of  | N/A  Attach                                | Bolted ment (welder tachment   | 60 ps                            |
| MAWP  1. Hydro  1. Hydro  1. Hydro  1. Hydro  1. Tubesh  Final Tubesh  1. Tubesh  1. Tubesh  | test pneuor comb. and 13 to be  | test pres<br>compl<br>Si<br>pec. No.   | Constant of the second of the | tube si<br>16-70N<br>Mari Special  | ections.   | s, tubes & per UCS-6  | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | ylinde (Indice  | r & flanger te yes or no a  ss.)  Nom. thk., i   | UG-2<br>S 8x8<br>nd the c<br>3.9<br>Nom | The Min. design of the Min. desi | 66(g)            | 3/16<br>corr. Alic   | (Descrit   | -20  | N/A  Attach                                | Bolted ment (welder tachment   | 60 ps                            |
| MAWP  1. Hydro  1. Hydro  1. Hydro  1. Hydro  1. Tubesh  Final Tubesh  1. Tubesh  1. Tubesh  | test pneuor comb and 13 to be seet:   | test pres<br>compl<br>Si<br>pec. No.   | Constant of the second of the | tube si<br>16-70N<br>Mari Special  | ections.   | per UCS-6   | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | cylinde (Indice   | vempt per r & flanger te yes or no a  Nom. thk i channels of   | UG-2<br>S 8x8<br>nd the c<br>3.9<br>Nom | The Min. design of the Min. desi | 86(g)            | 3/16 N   | (Descrit   | -20<br>• of  | N/A  Attach                                | Bolted ment (welded tachment U*  | of ps                            |
| MAWP  1. Hydro  1. Hydro  1. Hydro  1. Tubesh  1. Tubesh  1. Tubesh  1. Tubesh   | test pneuor comb and 13 to be seet:   | test pres<br>comp<br>Si<br>pec. No.  | Constant of the second of the | tube si<br>16-70N<br>Mari Special  | ections.   | per UCS-6   | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | cylinde (Indice   | (empt per r & flange: tle yes or no a  | UG-2<br>S 8x8<br>nd the c<br>3.9<br>Nom | The Min. design of the Min. desi | 866(g)           | 3/1E 3/1E N  | (Descrii   | -20<br>e of  | N/A  Attach  At                            | Bolted ment (welded tachment U* Heat T   | of or bolter                     |
| MAWP  Inpact to the first term of the first term | pneuor comb and 13 to be seet: losting (Mart S  | test pres<br>comp<br>So<br>pec. No.<br>Mai<br>e comp<br>e(s)   | Constant of the second of the | tube si<br>16-70N<br>Mati Special  | ections.  c. No.)  or Type  chambe                       | Diain.  | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | ylinde (Indice ii             | cempt per r & flange: te yes or no a  Nom. thk i channels of Overall lengt   | UG-2<br>S 8x8<br>nd the c               | Min. design  20(f)(1-5).  Impt per UCS- component(s) impa Proof test  3375"  a. thk. in.  C  2 BWG M/W  b. thk. in. or gauge exchangers.  in.):  Long, Joint (Calue  | 66(g)            | 3/16 N   | (Descrii   | -20<br>e of<br>1' - 7/8"<br>of (Cat. A.E.              | N/A  Attach  At  Eff                       | Bolted ment (welded tachment U* Heat T   | or bolter                        |
| MAWP  i. Impact to ii. Hydro.g ems 12 a 2. Tubashi  FI 3. Tubes: ems 14-1 4. Shell (   | test pneuor comb. and 13 to be eet: losting (Mat'l S  | test precomples Signature Administration of the Administration of  | No. Co. SS. Seteted for SA5 Ustionary (  S. CT Spec. N  | tube si<br>16-70N<br>Mati Special  | ections. c. No.) or Type chambe                          | per UCS-6 Dia Dia, in.  | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | ylinde (Indicasiii) 662" ect to pre                               | cempt per r & flange: te yes or no a  Nom. thk i channels of Overall lengt   | UG-2<br>S 8x8<br>nd the d<br>3.9<br>Nom | Min. design  20(f)(1-5).  Impt per UCS- component(s) impa Proof test  3375"  a. thk. in.  C  2 BWG M/W  b. thk. in. or gauge exchangers.  in.):  Long, Joint (Calue  | 866(g)           | 3/16 N   | (Descrii   | -20<br>e of  | N/A  Attach  At                            | Bolted ment (welded tachment U* Heat T   | or bolte                         |
| MAWP  ). Impact to  (, Hydro., f., Hydro., f., Hydro., f., Hydro., f., Fill., Tubashi  Fill., Tubashi  4. Shell (  | pneuor comb and 13 to be seet: losting (Mat'l S 18 Incl. to b (a)No. of course Course(:   | test precomples Signature Administration of the Administration of  | No. Co. SS. Seteted for SA5 Ustionary (  ) S. CT Spec. N pleted for   | tube si<br>16-70N<br>Mati Special  | ections. c. No.) or Type chambe                          | per UCS-6 Dia Dia, in.  rs of jacke 1   | (internal<br>is tubes)<br>i6(a). C<br>2418 ps<br>13.5<br>in. (subjection)                 | ylinde (Indice ii             | cempt per r & flange: te yes or no a  Nom. thk i channels of Overall lengt   | UG-2<br>S 8x8<br>nd the c               | Min. design  20(f)(1-5).  Impt per UCS- component(s) impa Proof test  3375"  a. thk. in.  C  2 BWG M/W  b. thk. in. or gauge exchangers.  in.):  Long, Joint (Calue  | 66(g)            | 3/16 N   | (Descrii   | -20<br>e of<br>1' - 7/8"<br>of (Cat. A.E.              | N/A  Attach  At  Eff                       | Bolted ment (welded tachment U* Heat T   | d or bolted                      |
| MAWP  1. Hydro.; terms 12 a  2. Tubesh  1. Tubesh  1. Hydro.; terms 14-1  4. Shell (   | pneuor comb. and 13 to be seet: losting (Matt S 18 Incl. to b (a)No. of course. Diameter, in 16"  | test precomples Signature Administration of the Administration of  | No. Co. SS. Seteted for SA5 Ustionary (  ) S. CT Spec. N pleted for   | tube si<br>16-70N<br>Mati Special  | ections.  c. No.)  or Type chambe  Spec/G                | per UCS-6  Dia  Dia  Dia, in.  rs of Jacket 1  Asterial  birade or Type 4333-6  | (internal<br>is (tubes)<br>is(a). C<br>2418 ps<br>13.5<br>in. (subjected vess<br>ted vess | ylinde (Indicesii 62" ect to pre 4" , in. sets or (b) Nom. 1.219" | Nom. thk., i  channels of Overall lengt  1/16"  1150°F   | UG-2<br>S 8x8<br>nd the c               | Min. design  20(f)(1-5).  Impt per UCS- component(s) impa Proof test  3375"  a. thk. in.  C  2 BWG M/W  b. thk. in. or gauge exchangers.  in.):  Long, Joint (Calue  | 66(g)            | 3/16 at lest to 3/16 N N N Type:   | (Descrii   | -20<br>e of<br>1' - 7/8'<br>n (Cat. A.E<br>pol. None   | Artach                                     | Bolted ment (welder tachment U* ype (Straigh) Heat T Temp. 1150°F  | G or bolter                      |
| MAWP  1. Hydro.; terms 12 a  2. Tubesh  1. Tubesh  1. Hydro.; terms 14-1  4. Shell (   | pneuor comb. and 13 to be seet: losting (Matt S 18 Incl. to b (a)No. of course. Diameter, in 16"  | test precomples Signature Administration of the Administration of  | No. Co. SS. Seteted for SA5 Ustionary (  ) S. CT Spec. N pleted for   | tube si<br>16-70N<br>Mati Special  | ections.  c. No.)  or Type chambe  Spec/G                | Dia in  The state of the | (internal<br>is (tubes)<br>is(a). C<br>2418 ps<br>13.5<br>in. (subjected vess<br>ted vess | ylinde (Indicesii 62" ect to pre 4" , in. sets or (b) Nom. 1.219" | Nom. thk., i  channels of Overall lengt  1/16"  1150°F   | UG-2<br>S 8x8<br>nd the c               | "F Min. design 20(f)(1-5). Impt per UCS- component(s) impa Proof test 3375"  a. thk. (n.  C2 BWG M/W  a. thk., in. or gauge exchangers. in.):  Long, Joint (Cal./  | 66(g)            | 3/16 at lest to 3/16 N N N Type:   | (Descrii   | -20 e of  1' - 7/8' nt (Cat. A.E. pol,None ull         | Artach                                     | Bolted ment (welded tachment U* ype (Streight) Heat T Temp. 1150°F   | for U)  (restment   Time   1.5 H |
| MAWP  1. Hydro.; terms 12 a  2. Tubesh  1. Tubesh  1. Hydro.; terms 14-1  4. Shell (   | pneuor comb. and 13 to be seet: losting (Matt S 18 Incl. to b (a)No. of course. Diameter, in 16"  | test prescomplissis Adams Adam | No. Co. SS. Seteted for SA5 ustionary (  Co. SA5 ustionary (  Co. SA6  Co. SA7  Co. SA6  Co. SA7  Co. SA6  Co. SA7  Co. | tube si<br>16-70N<br>Mati Special  | ections.  c. No.)  or Type chambe  Spec/G SA51 (Matl Spi | per UCS-6  Dia  Dia  Dia, in.  rs of Jacket 1  Asterial  birade or Type 4333-6  | (internal is tubes) is (a). C 2418 ps 13.5 in. (subjected vess 1.5 be or Type)            | ylinde (Indicesii 62" ect to pre 4" , in. sets or (b) Nom. 1.219" | r & flanger te yes or no a  ss.)  Nom. thk., i  channels of Overall lengt  1/16**  | UG-2<br>S 8x8<br>nd the c               | "F Min. design 20(f)(1-5). Impt per UCS- component(s) impa Proof test 3375"  a. thk. (n.  C2 BWG M/W  a. thk., in. or gauge exchangers. in.):  Long, Joint (Cal./  | 66(g)            | 3/16 at lest to 3/16 N N N Type:   | (Descrii   | -20<br>e of<br>1' - 7/8'<br>n (Cat. A.E<br>pol. None   | Artach                                     | Bolted ment (welder tachment U* ype (Straigh) Heat T Temp. 1150°F  | for U)  (restment   Time   1.5 H |
| 0. Impact to 1. Hydros terms 12 a 2. Tubeshi 13. Tubeshi 14. Shell (   | pneu_or comb. and 13 to be eet: losting (Mar'l S 18 incl. to b (a)No. of course( Diameter, in 16"   | test prescomplissis Maintenal Mainte | No. Co. SS. Seteted for SA5 ustionary (  Co. SA5 ustionary (  Co. SA6  Co. SA7  Co. SA6  Co. SA7  Co. SA6  Co. SA7  Co. | tube si<br>16-70N<br>Mari Special Sp | ections.  c. No.)  or Type chambe  Spec/G SA51 (Matl Spi | Dia in.  Paterial  Stade or Type  4.333-6  6-70N  Ec. No. Grade   | (internal is tubes) is (a). C 2418 ps 13.5 . in. (subjected vess  1.5                     | ylinde (Indice ii             | vermpt per r & flanger te yes or no a  Nom. thk., i channels of Overall lengt pickness Corr. 1/16" 1150°F me & Temp  | 3.9 Norm                                | ## Min. design ## Min | 66(g) CONT. Allo | 3/16 3/16 N N N N N N N N N N N N N N N N N N N  | (Describer of the control of the con | 1' - 7/8' It (Cat. A.E pot None Full Grade of Pressure | N/A  Attach  Attach  Attach  T  T  Type) H | Bolted ment (welded tachment U* ype (Streight) Heat T Temp. 1150°F   | fostment Time 1.5 Hi             |
| MAWP  1. Hydro.; terms 12 a  2. Tubesh  1. Tubesh  1. Hydro.; terms 14-1  4. Shell (   | pneu_or comb. and 13 to be eet: losting (Mart S 18 incl. to b (a)No. of course Course(: Diameter, in 16"  | test prescomplissis Adams Adam | No. Co. SS. Seted for SA5 Unitionary (  SA5 CT Spec N pleted for SA5 Thick Thick  | tube si 16-70N Mati Special A 179 D. Grade or inner  | ctions.  cr Type chambe  Socc/G SA51 (Mart Spi           | Dia. in.  Dia. in.  Paterial  Strade or Type  A333-6  6-70N  ec. No., Grade  adius  | (internal is tubes) is (a). C 2418 ps 13.5in. (subjected vess 1.5 fe or Type) Ellig       | ylinde (Indice ii             | r & flanger r & fl | 3.9 Norm                                | Proof test  BWG M/W   | 66(g) CONT. Allo | 3/16 at test to 3/16 at test to 5/10 at test t | (Describer of the control of the con | 1' - 7/8' It (Cat. A.E pol, None ull                   | N/A  Attach  Attach  Attach  T  T  Type) H | Bolted ment (welded tachment U* ype (Straigh) Heat T Temp. 1150*F  | for U)  [restment   Time   1.5 H |

## FORM U-1 (Back)

| Covers exempt per UCS-66(g). (Unique yes on and the composentic) impact tended)  (Indicate yes on and the composentic)  (In | Impact test  |  | No,  | nozzie necks   | , tubes & tubes  | sheet exempt j   | per UG-20(   | f)(1-5).   | at test tempe  | rature of  | N/.  | A •F.  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Region, preu, or comb lest press.    2418 psi  |  |  | Cov  | ers exempt p   | er UCS-66(a).  |  |  |  |  |  |  |  |
| Register. Indexion. and safety wave openings:  Purpose  Royal Cype. 1 No. and safety wave openings:  Royal Cype. 2 No. and safety wave openings:  Royal Cype |  |  |  |  |  |  | no and the con   |  | t tested)  |  |  |  |
| Figure 1 No. 2014 Plange Note 1 No. 2014 Plange Note 1 No. 2014 No | Hydro., pneu., or comb   | test pr  | ess.   |  | 2418 p   | si   |  | Proof test   |  | ····   |  |  |
| No. Committee (1) No. of Str. Type No. No. Committee (1) 1 Cr. Committee (1) C | Nozzles, inspection, an  | d safel  | y valve open   | ings:  |  |  | .,, ,, ,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |  |  |  |  |  |
| Supports: Sort No Lugs N/A Legs N/A Oner Saddles Abbot-72 Jary Vir None UVFIS.12 Weeded Top Chamer Intelligence of the Comment | Purpose  | 1  | Diameter   | Flange   |  |  |  |  |  |  |  |  |
| Construction of the State of S | let Outlet Drain, etc.)  | No.  |  | ·  |  |  |  |  |  |  |  |  |
| Support:  Suppor |  | 1  |  |  |  |  |  |  |  |  |  |  |
| Shell Queld 1 1 2*CLSSO RIVN BASSS-44 SASS-47 37* 16* None WHIS IC Weided Borson Shell Shell Queld 1 1 2*CLSSO RIVN BASSS-44 SASSS-44 SASSS-47 37* 16* None WHIS IC Weided Borson Shell Shell Queld 1 1 2*CLSSO RIVN BASSS-44 SASSS-44 SASSS- | Channel Outlet   | 1  |  |  |  |  |  |  |  |  |  |  |
| Supports:   | Shell inlet  |  |  |  |  |  |  |  |  |  |  |  |
| Simports: Start On Log Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (List the name of part, item number, mgs. name and identifying number)  Remark: Terma Planges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.8875" & 3.8125" Terma type: "R"  Remark: Terma Planges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.8875" & 3.8125" Terma type: "R"  SAFETY VALVES: P.S.V. on pilping per UG-125 (g) to be Installed by owner CUBIC CAPACITY: 23.23 cu.ft.  SURFACE AREA: 346.7 aq.ft.  SERV/Emulsion Exchanger: "U-Bends stress relieved for 1 Hr. @ 1150°F.  CERTIFICATE OF SHOP COMPLIANCE  No constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP COMPLIANCE  No constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP MSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the stalements on this report are correct and that the final assembly construction of dil parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employed by Certificate of Authorization No.  Expires  CERTIFICATE OF FIELD ASSEMBLY UNSPECTION  I, the undersigned,  | Shell Outlet   | 1  | 3- CL900   | RFWN   | SA266-4N   | SA350-LF2  | .8/5   | 1/8  | None   | 104116.10  | VVBIGBO ;  | BOUGHT SWEET   |
| Supports: Support   Na.   (No.)   (No. |  | -  |  |  |  | <del> </del>   |  |  |  |  |  |  |
| Simports: Start On Log Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (List the name of part, item number, mgs. name and identifying number)  Remark: Terma Planges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.8875" & 3.8125" Terma type: "R"  Remark: Terma Planges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.8875" & 3.8125" Terma type: "R"  SAFETY VALVES: P.S.V. on pilping per UG-125 (g) to be Installed by owner CUBIC CAPACITY: 23.23 cu.ft.  SURFACE AREA: 346.7 aq.ft.  SERV/Emulsion Exchanger: "U-Bends stress relieved for 1 Hr. @ 1150°F.  CERTIFICATE OF SHOP COMPLIANCE  No constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP COMPLIANCE  No constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP MSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the stalements on this report are correct and that the final assembly construction of dil parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employed by Certificate of Authorization No.  Expires  CERTIFICATE OF FIELD ASSEMBLY UNSPECTION  I, the undersigned,  |  | <del> </del>   |  |  |  | -  |  |  |  |  |  |  |
| No.   No.   No.   No.   No.   No.   No.   No.   (No.   No.   (No.   No.   (No.   (No   |  |  | 1  |  |  | †  |  |  |  | 1  |  |  |
| Supports: Support   Na.   (No.)   (No. |  | +  | <del> </del>   |  |  | <del> </del>   |  |  |  |  |  |  |
| Supports: Support   Na.   (No.)   (No. |  | <del></del>  | <del> </del>   |  |  | 1  |  |  |  |  |  |  |
| Supports: Support   Na.   (No.)   (No. |  | <del> </del>   | <del> </del>   |  |  | 1  | i  |  |  |  |  |  |
| Supports: Sent 10 Log (No.) (No.) (No.) (No.) (No.) (No.) (Describe) (Where and how)  Manufacturer's Partial Bata Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:  (List the name of part, item number, mgh; name and identifying number)  Romans: Tema Flanges: MK.1 & MK.2: SA350-LFZ, Cl.1 Thickness: 3.6875" & 3.8125" Tema type: "R"  Romans: Tema Flanges: MK.1 & MK.2: SA350-LFZ, Cl.1 Thickness: 3.6875" & 3.8125" Tema type: "R"  SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner CUBIC CAPACITY: 23.23 cu.ft.  SURFACE AREA: 36.7 aq.ft.  SERVICE: BFW/Emulsion Exchanger "U-Bends stress relieved for 1 Hr. @ 1150°F.  CERTIFICATE OF SHOP COMPLIANCE  (c certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the SMC Code for Pressure Vessels, Section VIII, Division 1.  Certificate of Authorization No.  SEX P. 3 2010  Name Exchanger Industries (A Division of Prematatico Inc.)  (Manufacturer)  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  Anamufacturer's Data Report on SEP - 3 2010  Anamufacturer's Data Report on SEP - 3 2010  Anamufacturer's Data Report on SEP - 3 2010  Signed Calonary, ALBERTA  Anamufacturer's Data Report on SEP - 3 2010  Anamufacturer's Data Report on SEP - 3 2010  Anamufacturer's Data Report on SEP - 3 2010  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of eli parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer shall be calculated in this Manufacturer's Data Report with the discribed pressure vessel in special parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. The described pressure vessel i |  | <del>†</del>   | <del> </del>   |  |  |  |  |  |  |  |  |  |
| (No.) (No.   | •  | Chie   | No   | N/A  | Leas   | N/A O  | ier  | Saddles  | Attached   | ٧  | Velded t   | o Shell  |
| Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: [List the name of part, item number, mig's, name and identifying number]  Remerics:  Tems Flanges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.6875" & 3.8125" Toma type: "R"  SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner CUBIC CAPACITY: 23.23 cu.ft.  SIRFACE AREA: 346,7 sq.ft.  SERVICE: BFW/Emulsion Exchanger:  "U-Bends stress relieved for 1 Hr. @ 1150"F.  CONSTRUCTED OF SHOP COMPLIANCE  Ve certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this visual conform to the SME Code for Pressure Vessels, Section VIII, Division 1.  J. Certificate of Authorization No.  SEE D 3 2010 Name Exchanger Industries (A Division of Premetation). Signed  March 30 .20 .11  CERTIFICATE OF SHOP INSPECTION  SEP. 3. 2010 1.  Analysis of Control of Shop Inspection and/or the State or Province of ALBERTA have inspected and septiment of the State of Province of Alberta in Shape Inspection on SEP. 3. 2011 20.  Analysis of the Certificate of Authorization in this Manufacturer's Data Report on this Analysis of the State of Province of Alberta in Shape Inspection on this employer shall be an any manner for any personal injury or property damage or a loss of enty kind designed in this Manufacturer's Data Report with the designed or province and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME C | Supports:  | SKIT   | ***  |  | 9-   |  | ***************************************  |  |  |  | (Where ar  | nd how)  |
| (List the name of part, item number, rifg's, name and identifying number)  Remarks: Terma Flanges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3.6875" & 3.8125" Terma type; "R"  SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner CUBIC CAPACITY: 23.23 cu.ft.  SIRFACE AREA: 346.7 sq.ft.  SIRFACE AREA: 346.7 sq.ft.  Constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP COMPLIANCE  FE-200A: Constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP COMPLIANCE  Certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the SSEC Ode for Pressure Vessels. Section VIII, Division 1.  SEE Ode for Pressure Vessels. Section VIII, Division 1.  Certificate of Authorization No.  Exchanger industries (A Division of Prematator inc.)  (Manufacturer)  Certificate of Authorization No.  Exchanger industries (A Division of Prematator inc.)  (Manufacturer)  Certificate of Authorization No.  Exprises  CALGARY, ALBERTA  Nave inspected  ABSA  of CALGARY, ALBERTA  Nave inspected with this inspection.  CALGARY, ALBERTA  Nave inspected with this inspection.  Certificate of Authorization No.  SEP - 3.2010 20 and state that, to the best of my knowledge and belief, the Australiance of the State of Province of ALBERTA  Nave inspected with this inspection.  Certificate of Authorization No.  Exprise  Commissions  Certificate of Authorization No.  Exprise  (Assembler)  Certificate of Authorization No.  Expires  (Assembler)  Certificate of Authorization No.  Expires  (Assembler)  Certificate of Authorization No.  Expires  (Assembler)  Certificate of Holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection and/or the State or Province of Assembler this inspection on the service of the State or Province of Certificate of Authorization No.  Expires  (Assembler)  Certificate of Authorization No.  Expires  (Assembler)  Certificate of Authorization No.  Expires  (Assembler)  Certificate of |  | b-   |  |  | ud bennie bae be   | Commissioned In  | spectors hav   | e been furnish   | ed for the following   | items of the   | report:  |  |
| Remarks: Torma Flanges: MK.1 & MK.2: SA350-LF2, Cl.1 Thickness: 3,6875" & 3,8125" Torma type: "R"  SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner. CUBIC CAPACITY: 23,23 cu.ft.  SIRFACE AREA: 346,7 sq.ft.  SERVICE: BFW/Emulsion Exchanger. "U-Bends stress relieved for 1 Hr. @ 1150°F.  Constructed to Drawing #10-315SA/B Rev.2.  CERTIFICATE OF SHOP COMPLIANCE  To cartily that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the SME Code for Pressure Vessels. Section VIII, Division 1.  Certificate of Authorization No.  SEP D 3 2010  Name Exchanger (indexfries (A Division of Premetalco Inc.)  (Menufacturer)  CERTIFICATE OF SHOP NSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA  of CALGARY, ALBERTA  Nave inspected on pressure vessel described in this Manufacturer's Data Report on Section VIII, Division 1. Signad (Authorized Inspectors)  ABSA.  Of CALGARY, ALBERTA  Nave inspected on this samufacturer's parage or a loss of any kind aging from or connected with this inspection.  ABSA Of CALGARY, ALBERTA  Nave inspected in this Manufacturer's Data Report on Section VIII, Division 1. By signing this certificate heither the Inspector on his stakes any warrenty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector on his stakes any warrenty, expressed or implied, concerning the pressure vessel described with this inspection.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Ve certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. By signaling the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer's Data Report of th | Manufacturer a Pari  | rt iter  | n number n   | nfa's, name and  | identifying numbe  | r)   |  |  |  |  |  |  |
| SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner CUBIC CAPACITY: 23.23 cu.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  446.7 sq.ft. |  |  |  |  |  |  |  |  |  |  |  |  |
| SAFETY VALVES: P.S.V. on piping per UG-125 (g) to be installed by owner CUBIC CAPACITY: 23.23 cu.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  346.7 sq.ft.  446.7 sq.ft. |  | Torr   | a Flance   | * MK 1 & M   | K 2: SA350-LE  | 2 Cl.1 Thic  | kness: 3.68  | 375" & 3.812   | 5" Tema type:  | "R"  |  |  |
| SURFACE AREA: 346.7 sq.ft.  SERVICE: BFW/Emulsion Exchanger  Constructed to Drawing #10-3155A/B Rev.2  CERTIFICATE OF SHOP COMPLIANCE  Fe certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the SME Code for Pressure Vessels, Section VIII, Division 1.  Certificate of Authorization No.  S883  Expires  March 30  20  11  CERTIFICATE OF SHOP COMPLIANCE  (Representative)  Name  Exchanger Industries (A Division of Premetatico Inc.). Signed  (Representative)  CERTIFICATE OF SHOP INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA  not pressure vessel described in this Manufacturer's Data Report on SEP - 3. 2111  ABSA  of CALGARY, ALBERTA  have inspected and anticuturer in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind aspiring from or connected with this inspection.  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  (Author/Zee Inspector)  COmmissions  (Nati Board incl.endorsements, State Prov. and Certificate of Author/Zee) Inspector nor his employer shall be any manner for any personal injury or property damage or a loss of any kind aspiring from or connected with this inspection.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Name  (Author/Zee Inspector)  (Author/Zee Inspector)  (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province  of have compared the statements in this Manufacturer's Data Report with the described gressure Vessel Inspectors and/or the State or Province  of have compared the statements in this Manufacturer's Data Report with the described pressure Vessel Inspectors and/or the State or  |  | -  |  |  |  |  |  |  |  |  |  |  |
| SERVICE: BFW/Emulsion Exchanger  |  |  |  |  | er UG-125 (g) to   | o de installed   | by owner   | COBIC CA   | TACITI. 20.2   | <u> </u>   |  |  |
| CERTIFICATE OF SHOP COMPLIANCE  We cartly that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the SME Code for Pressure Vessels. Socion VIII, Division 1.  Certificate of Authorization No.  SEE D 3 2010 Name   | SURFACE AREA   | <b>4</b> :   | 346.7  | sq.ft.   |  |  |  |  |  |  |  |  |
| CERTIFICATE OF SHOP COMPLIANCE  Ve certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the  SME Code for Pressure Vessels, Section VIII, Division 1.  Services March 30 ,20 11  Services March 30 ,20 11  CERTIFICATE OF SHOP INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA have inspected in this Manufacturer's Data Report on Manufacturer as constructed this pressure vessel described in this Manufacturer's Data Report on Manufacturer as constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1, sand state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel described in this Manufacturer's Data Report on Pressure vessel described or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be not any manner for any personal injury or property damage or a loss of any kind affairs from a consensuration of the requirements of ASME Code, Section VIII, Division 1.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  (Nat'l Board Incluendersements, State, Prov. and Certificate of Authorization No.  Expires  | SERVICE:   | BFV  | V/Emulsi   | on Exchange  | r  | <b>U-Bends</b> stres   | e rallaved   |  | 4 KN9E   |  |  |  |
| Ve certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ISME Code for Pressure Vessels, Section VIII, Division 1.  Certificate of Authorization No.  Date  SEP 0 3 2010  Name  Exchanger industries (A Division of Premetalco Inc.)  (Manufacturer)  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  ABSA  Of CALGARY, ALBERTA  have inspected the pressure vessel described in this Manufacturer's Data Report on SEP 3 2010  Name function of Pressure Vessel inspectors and/or the State or Province of ALBERTA  have inspected the pressure vessel described in this Manufacturer's Data Report on Islands any warrenty, expressed or implied, concerning the pressure vessel in a confidence with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his makes any warrenty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report on any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date  SEP 3 2010  Signed  (Authorized Inspector)  (Nat'l Board ind, endorsements, State, Prov. and Certificate of Authorization No.  Expires  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Name  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test in this Manufacturer's  | ITEM#:   | E 2  | A CONTRACTOR OF STREET   |  |  | ~~~~   |  |  |  |  |  |  |
| Ve certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ISME Code for Pressure Vessels, Section VIII, Division 1.  Certificate of Authorization No.  Date  SEP 0 3 2010  Name  Exchanger industries (A Division of Premetalco Inc.)  (Manufacturer)  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  ABSA  Of CALGARY, ALBERTA  have inspected the pressure vessel described in this Manufacturer's Data Report on SEP 3 2010  Name function of Pressure Vessel inspectors and/or the State or Province of ALBERTA  have inspected the pressure vessel described in this Manufacturer's Data Report on Islands any warrenty, expressed or implied, concerning the pressure vessel in a confidence with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his makes any warrenty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report on any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date  SEP 3 2010  Signed  (Authorized Inspector)  (Nat'l Board ind, endorsements, State, Prov. and Certificate of Authorization No.  Expires  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Name  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test in this Manufacturer's  |  | E-21   | 00A  |  |  | ~~~~   |  |  |  |  |  |  |
| SEP 0 3 2010 Name Exchanger Industries (A Division of Premetatico Inc.)  Set SEP 0 3 2010 Name Exchanger Industries (A Division of Premetatico Inc.)  Signed (Manufacturar)  CERTIFICATE OF SHOP INSPECTION  ABSA of CALGARY, ALBERTA have inspected the pressure vessel inspectors and/or the State or Province of ALBERTA have inspected the pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010 .20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel and excordance with ASME Code, Section VIII, Division 1. Sep signing this certificate neither the inspector nor his makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be not any manner for any personal injury or property damage or a loss of any kind ajising from or connected with this inspection.  Date SEP = 3 2010 Signed (Authorization No.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires   |  | E-21   | 00A  |  |  | Constructed t  | o Drawing  | #10-3155A/E  |  |  |  |  |
| Exchanger Industries (A Division 1.  Set SEP 0 3 2010  Name  Exchanger Industries (A Division of Premetalco Inc.)  Signed  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  CERTIFICATE OF SHOP INSPECTION  ABSA.  of CALGARY, ALBERTA  have inspected he pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010 , 20 , and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. Sy signing this certificate entire the Inspector nor his makes any warrantly, expressed or implied, concerning the pressure vessel described with this inspection.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Name  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  Name  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  And Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel in spectors and/or the State or Province and employ |  |  |  | - 111  |  | Constructed 1  | O Drawing  | #10-3155A/E  | 3 Rev.2  |  |  |  |
| Certificate of Authorization No.   See3   Expires   March 30   20   11   | Ve rectify that the stat   |  |  | nis report are corr  |  | Constructed 1  | O Drawing  | #10-3155A/E  | 3 Rev.2  | conform to the   | ne   |  |
| Date SEP 0 3 2010 Name Exchanger industries (A Division of Premetalco Inc.) Signed (Representative)  CERTIFICATE OF SHOP INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA have inspected the pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010 20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employed by an any manner for any personal injury or property damage or a loss of enykind agising from or connected with this inspection.  Date SEP - 3 2010 20 and state that, to the best of my knowledge and belief, the Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be not any manner for any personal injury or property damage or a loss of enykind agising from or connected with this inspection.  Date SEP - 3 2010 Signed Certificate of Authorization No.  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  CEXTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Anderson and employed by Certificate neithfacts of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test part. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthe |  | tement   | s made in th   |  | ect and that all det   | Constructed 1  | O Drawing  | #10-3155A/E  | 3 Rev.2  | conform to the   | ne   |  |
| CERTIFICATE OF SHOP INSPECTION  It to undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and/or the State or Province of ALBERTA  and employed by ABSA of CALGARY, ALBERTA have inspected the pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010  | SME Code for Pressu  | tement   | s made in th   |  | ect and that all det   | Constructed to   | O Drawing  | #10-3155A/E  | 3 Rev.2  | conform to the   | ne   |  |
| CERTIFICATE OF SHOP INSPECTION  the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA  have inspected he pressure vessel described in this Manufacturer's Data Report on SEP - 3 1111, 20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the inspector nor his employer shall be an any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date  SEP - 3 2018  Signed  (Author/zee inspector)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires   | SME Code for Pressu  | re Ver   | s made in the  | on VIII, Division 1  | ect and that all det<br>5983   | Constructed t  ERTIFICATE OF SI alls of design, make   | O Drawing HOP COMPLIA erial, construct pires   | #10-3155A/E<br>ANCE<br>tion, and workm<br>March 30   | 3 Rev.2  | conform to the   | ne   |  |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ABBATA have inspected and employed by  ABSA of CALGARY, ALBERTA have inspected the pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010 20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate heither the inspector nor his employer shall be many manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date SEP - 3 2010 Signed (Author/zed inspector)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Author/zed in September Signed (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test part. Evidence of the pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test part. Evidence of the property damage or a loss of any kind arising from or connected with the part of the property damage or a loss of any kind arising from or connected with the contraction  | ASME Code for Pressu  J Certificate of Author  CED fi  | re Ver   | s made in the  | on VIII, Division 1  | ect and that all det   | Constructed t  ERTIFICATE OF SI alls of design, make  Ex  Division of Prem   | O Drawing HOP COMPLIA erial, construct pires   | #10-3155A/E<br>ANCE<br>tion, and workm<br>March 30   | 3 Rev.2  |  | >  |  |
| ABSA of CALGARY, ALBERTA have inspected he pressure vessel described in this Manufacturer's Data Report on SEP - 3 2010 .20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the inspector nor his makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be an any manner for any personal injury or property damage or a loss of any kind agisting from or connected with this inspection.  Date SEP - 3 2010 Signed (Author/zed inspector) Commissions  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of ell parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  Centificate of Author/zation No.  Expires20  Date Name (Assembler) (Assembly INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of have comparted the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test part. Evithermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer         | ASME Code for Pressu  J Certificate of Author  CED fi  | re Ver   | s made in the  | on VIII, Division 1  | ect and that all det   | Constructed ( ERTIFICATE OF SI alls of design, make  Ex  Division of Prem ufacturer)   | O Drawing HOP COMPLIA erial, construct pires etalco Inc.)  | #10-3155A/E ANGE tion, and workm March 30 Signed   | 3 Rev.2  |  | >  |  |
| he pressure vessel described in this Manufacturer's Data Report on  SEP - 2 2010 , 20 and state that, to the best of my knowledge and belief, the hear constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the inspector nor his makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date SEP - 2 2010 Signed (Authorized Inspector)  Commissions  Commissions  (Nat'l Board Incl. endorsements .State.Prov.and  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires .20  Date Name (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test part. Evitable of the certificate neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | SME Code for Pressur<br>J Certificate of Autho-<br>Date SEP 0  | tement<br>ure Ver<br>rizatio   | s made in the<br>ssels, Section<br>No.   | e Excha  | ect and that all det   | Constructed 1  ERTIFICATE OF SI alls of design, male  Ex  Division of Prem  Ufacturer)  ERTIFICATE OF S  | O Drawing HOP COMPLIA Brial, construct pires Stalico Inc.)   | #10-3155A/E ANCE tion, and workm March 30 Signed   | anship of this vessel  | (Repres  | entative)  |  |
| Manufacturer has constructed this pressure vessel in accordance with ASME Coda, Section VIII, Division 1. By signing this certificate neither the Inspector nor his makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be in any manner for any personal Injury or property damage or a loss of any kind arising from or connected with this inspection.  Date SEP - 3. 2010 Signed (Authorized Inspector)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No. Expires .20  Date Name Signed (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by   | SME Code for Pressur<br>J Certificate of Autho-<br>Date SEP 0  | tement<br>ure Ver<br>rizatio   | s made in the<br>ssels, Section<br>No.   | e Excha  | ect and that all det   | Constructed 1  ERTIFICATE OF SI alls of design, male  Ex  Division of Prem  Ufacturer)  ERTIFICATE OF S  | O Drawing HOP COMPLIA  Bries construct   | #10-3155A/E ANCE tion, and workm March 30 Signed TION Ispectors and/or   | anship of this vessel  | (Repres  | entative)  |  |
| makes any warrenty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date SEP - 2 2010 Signed (Authorized inspector) Commissions (Nat'l Board incl.endorsements, State, Prov. and CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires20  Date Name Signed  (Assembler) (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by   | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  , the undersigned, hol  | tement<br>ure Ver<br>rizatio   | s made in the<br>ssels, Section<br>No.   | e Excha  | ect and that all det   | Constructed to Constructed to Constructed to Construct to Construct the Construction of Premoviacturer)  ERTIFICATE OF Sof Boiler and Pres   | O Drawing HOP COMPLIA BRIAL CONSTRUCT PIERS STATE OF INSPEC Sure Vessel In Of  | #10-3155A/E ANCE tion, and workm March 30 Signed TION aspectors and/or CALG  | anship of this vessel  ,20   | (Repres  | entative)  |  |
| Date SEP _ 3 2010 Signed (Authorized inspector) Commissions  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  Expires  | SME Code for Pressure of Authorate SEP 0   | tement<br>ure Ver<br>rization<br>3 20  | s made in the seeks, Section No.  Name valid comme   | e Excha  | sect and that all det  5983  Inger Industries (A (Man C the National Board ABSA Report on  | Constructed to Constructed to Constructed to Construct to Construct the Construction of Premoving Construction of Premoving Construction of Co | O Drawing HOP COMPLIA Brial, construct pires Stalco Inc.) HOP INSPEC Sure Vessel In Of SEP - 3   | #10-3155A/E ANCE tion, and workm March 30 Signed TION aspectors and/or CALG 2010 .20   | anship of this vessel  ,20   | (Repres  | entative) RTA  | ge and belief, th  |
| Date SEP = 2 2010 Signed (Authorized Inspector)  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires20  Date Name Signed (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by   | SME Code for Pressur Certificate of Autho- Date SEP 0  the undersigned, holded employed by the pressure vessel de  | dement   | s made in the seeks, Section No.  Name valid communication in this Mainteed this proceeds in this mainteed this proceeds in this proceed this proceeds in the proceeds in the proceeds in the proceeding the proceeds in the proceeding the proceeds in the proceeding the procedure the proceeding the proceeding the proceeding the proceeding the proceeding the procedure the proceeding the procedure the procedure that the procedure the procedure the procedure the procedure the procedure that the procedure the procedure the procedure the procedure the procedure the procedure that the procedure the procedure the procedure that the procedure the procedure that t | e Excha  | sect and that all det  5983  Inger Industries (A  (Man  C  the National Board  ABSA  Report on  in accordance wi   | Constructed to Constructed to Constructed to Constructed to Construct to Cons   | O Drawing HOP COMPLIA Brial, construct pires Statico Inc.) HOP INSPEC Sure Vessel In Of SEP - 3  | #10-3155A/E ANCE tion, and workm March 30 Signed TION aspectors and/or CALG 2010 .20 Division 1. By  | anship of this vessel  ,20   | (Repres  | entative) RTA By knowled the inspired  | ge and belief, th  |
| Date SEP - 3 2000 Signed (Authorized inspector) Commissions (Nat'l Board incl.endorsements. State. Prov. and CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires  | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  , the undersigned, hole and employed by the pressure vessel de Manufacturer has of  | dement   | s made in the seeks, Section No.  Name valid communication in this Mainteed this proceeds in the proceeds in the proceeding the proceeds in the proceeding the proceeds in the proceeding the procedure that the procedure t | e Excha  | sect and that all det  5983  Inger Industries (A  (Man  C  the National Board  ABSA  Report on  in accordance wi   | Constructed to Constructed to Constructed to Constructed to Construct to Cons   | O Drawing HOP COMPLIA Brial, construct pires Statico Inc.) HOP INSPEC Sure Vessel In Of SEP - 3  | #10-3155A/E ANCE tion, and workm March 30 Signed TION aspectors and/or CALG 2010 .20 Division 1. By  | anship of this vessel  ,20   | (Repres  | entative) RTA By knowled the inspired  | ge and belief, th  |
| (Author/Zed Inspector) (Nat'l Board Incl.endorsements, State, Prov. and CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires20  Date Name  | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, e   | ding a   | s made in the seeks. Section No.  100 Name valid commend in this Mainted this passed or implies  | e Excha  | ect and that all det   | Constructed to Constructed to Constructed to Constructed to Construct to Cons   | o Drawing  HOP COMPLIA  Brial, construct  Brial, construct  Brian (1988)   | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  aspectors and/or  CALG  2010 ,20  Division 1. By  Data Report, Full  | anship of this vessel  ,20   | (Repres  | entative) RTA  By knowled the Inspiror his emp   | ge and belief, th  |
| CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires  Signed  (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected to a hydrostatic test signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, e   | ding a   | s made in the seeks. Section No.  100 Name valid commend in this Mainted this passed or implies  | e Excha  | ect and that all det   | Constructed to Constructed to Constructed to Constructed to Construct to Cons   | o Drawing  HOP COMPLIA  Brial, construct  Brial, construct  Brian (1988)   | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  aspectors and/or  CALG  2010 ,20  Division 1. By  Data Report, Full  | anship of this vessel  ,20   | (Repres  | entative)  RTA  By knowled the Inspiror his emp  | ge and belief, th  |
| We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.  U Certificate of Authorization No.  Expires .20  Date Name Signed (Assembler) (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psi. E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | SME Code for Pressur  J Certificate of Autho- Date SEP 0  , the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, et in any manner for any  | tement<br>ure Ver<br>rizatio<br>3 20<br>tiding a<br>escribe<br>onstru-<br>expressi   | s made in the seeks, Section No.  100 Name valid commend in this Managed or implies and injury or  | e Excha  | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kin   | Constructed to ExTIFICATE OF Siles of design, make ExTIFICATE OF Sof Boiler and Present ASME Code. Silescribed in this Mind arising from or the ExTIFICATE OF Sof Boiler and Present ASME Code. Silescribed in this Mind arising from or the ExTIFICATE OF Sof Boiler and Present ASME Code. Silescribed in this Mind arising from or the ExTIFICATE OF Sof Boiler and Present Boiler  | o Drawing  HOP COMPLIA  Brial, construct  Brial, construct  Brian (1988)   | #10-3155A/E  ANCE tion, and workm  March 30  Signed  TION  Inspectors and/or  CA/LG  2010 , 20  Division 1. By  Data Report. Further in this inspection  | the State or Province ARY, ALBERTA , and state that, to to signing this certific thermore, neither the   | (Repres  | entative) RTA  RYA  ly knowled the inspir  | ge and belief, th<br>ector nor his<br>Hoyer shall be   |
| Date Name (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected to a hydrostatic test psi. E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | SME Code for Pressur  J Certificate of Autho- Date SEP 0  , the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, et in any manner for any  | tement<br>ure Ver<br>rizatio<br>3 20<br>tiding a<br>escribe<br>onstru-<br>expressi   | s made in the seeks, Section No.  100 Name valid commend in this Managed or implies and injury or  | e Excha  | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kin   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premoved Construction of Premoved Construction of Constr | o Drawing  HOP COMPLIA  Brial, construct  Brial, construct  Brian (1988)   | #10-3155A/E  ANCE tion, and workm  March 30  Signed  TION  Inspectors and/or  CA/LG  2010 , 20  Division 1. By  Data Report. Further in this inspection  | the State or Province ARY, ALBERTA , and state that, to to signing this certific thermore, neither the   | (Repres  | entative) RTA  RYA  ly knowled the inspir  | ge and belief, th<br>ector nor his<br>Hoyer shall be   |
| Date Name (Assembler)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected to a hydrostatic test psi. E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  Control of Author  Coate SEP 0  The undersigned, hole  and employed by the pressure vessel de  Manufacturer has commakes any warranty, et in any manner for any  Date SEP   | dding a sescribe person  | s made in the seets. Section No. 110 Name valid commend in this Manual total this passed or implies and injury or  | e Excha-  e Excha-  nufacturer's Data ressure vessel- ed, concerning the property damage   | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kill (Auth  | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premotecturer)  Extended in Construction of Premotecturer of Boiler and Present ASME Code. Subscribed in this Mand atjoing from or in Construction of Present Construction of Constructi | O Drawing HOP COMPLIA Brial, construct pires etalco Inc.) HOP INSPEC sure Vessel In of SEP - 3 section VIII, anufacturer's I connected with  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  ISSPECTORS and/or  CALG  20  Division 1. By  Data Report. Fun  In this inspection  Comm  | the State or Province ARY, ALBERTA , and state that, to is signing this certific thermore, neither the this issions (Nat'l Board)  | (Repres  | entative)  RTA  By knowled the Inspiror his emplor his emplor his emplored the Inspiror his emplored the Inspiror his employers.   | ge and belief, the ector nor his sloyer shall be state. Prov. and  |
| Date Name (Assembler) Signed (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected to a hydrostatic test psi. E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  Control of Author  Coate SEP 0  The undersigned, hole  and employed by the pressure vessel de  Manufacturer has commakes any warranty, et in any manner for any  Date SEP   | dding a sescribe person  | s made in the seets. Section No. 110 Name valid commend in this Manual total this passed or implies and injury or  | e Excha-  e Excha-  nufacturer's Data ressure vessel- ed, concerning the property damage   | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kill (Auth  | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premotecturer)  Extended in Construction of Premotecturer of Boiler and Present ASME Code. Subscribed in this Mand atjoing from or in Construction of Present Construction of Constructi | O Drawing HOP COMPLIA Brial, construct pires etalco Inc.) HOP INSPEC sure Vessel In of SEP - 3 section VIII, anufacturer's I connected with  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  ISSPECTORS and/or  CALG  20  Division 1. By  Data Report. Fun  In this inspection  Comm  | the State or Province ARY, ALBERTA , and state that, to is signing this certific thermore, neither the this issions (Nat'l Board)  | (Repres  | entative)  RTA  By knowled the Inspiror his emplor his emplor his emplored the Inspiror his emplored the Inspiror his employers.   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| Date Name (Assembler) Signed (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psi, is signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Author  Date SEP 0  The undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, et an any manner for any  Date SEP  We certify that the sta   | dding a sescribe person  | s made in the seets. Section No. 110 Name valid commend in this Manual total this passed or implies and injury or  | e Excha-  e Excha-  nufacturer's Data ressure vessel- ed, concerning the property damage   | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kill (Auth  | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premotecturer)  Extended in Construction of Premotecturer of Boiler and Present ASME Code. Subscribed in this Mand atjoing from or in Construction of Present Construction of Constructi | O Drawing HOP COMPLIA Brial, construct pires etalco Inc.) HOP INSPEC sure Vessel In of SEP - 3 section VIII, anufacturer's I connected with  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  ISSPECTORS and/or  CALG  20  Division 1. By  Data Report. Fun  In this inspection  Comm  | the State or Province ARY, ALBERTA , and state that, to is signing this certific thermore, neither the this issions (Nat'l Board)  | (Repres  | entative)  RTA  By knowled the Inspiror his emplor his emplor his emplored the Inspiror his emplored the Inspiror his employers.   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| (Assembler) (Representative)  CERTIFICATE OF FIELD ASSEMBLY INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by  have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psigning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Author  Date SEP 0  The undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, et in any manner for any  Date SEP =  | 3 20 dding a d | s made in the seels. Section No.  100 Name valid commended in this Mainted this proposed or implies and injury or  | e Excha-  e Excha-  nufacturer's Data ressure vessel- ed, concerning the property damage   | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kill (Auth  | Constructed in Constructed in Constructed in Constructed in Constructed in Construction in Con | HOP COMPLIA  Brial, construct  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  ISpectors and/or  CALG  2010 ,20  Division 1. By Data Report. Furnithis inspection  Comm  COMPLIANCE  of this vessel co  | the State or Province ARY, ALBERTA , and state that, to the signing this certific thermore, neither the (Nat'i Bost Informs with the requirements)   | (Repres  | entative)  RTA  By knowled the Inspiror his emplor his emplor his emplored the Inspiror his emplored the Inspiror his employers.   | ge and belief, the ector nor his sloyer shall be state. Prov. and  |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of   | ASME Code for Pressur  J Certificate of Author  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, et in any manner for any  Date SEP =   | 3 20 dding a d | s made in the seels. Section No.  100 Name valid commended in this Mainted this proposed or implies and injury or  | e Excha-  e Excha-  nufacturer's Data ressure vessel- ed, concerning the property damage   | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance will e pressure vessel of or a loss of any kill (Auth  | Constructed in Constructed in Constructed in Constructed in Constructed in Construction in Con | HOP COMPLIA  Brial, construct  | #10-3155A/E  ANCE tion, and workm  March 30  Signed  TION aspectors and/or  CALG  2010 .20  Division 1. By Data Report. Further in this inspection  Comm  OMPLIANCE of this vessel co  | the State or Province ARY, ALBERTA , and state that, to the signing this certific thermore, neither the (Nat'i Bost Informs with the requirements)   | (Repres  | entative)  RTA  By knowled the Inspiror his emplor his emplor his emplored the Inspiror his emplored the Inspiror his employers.   | ge and belief, the<br>ector nor his<br>proyer shall be<br>state.Prov.and   |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psi. E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, et in any manner for any  Date SEP   We certify that the state Division 1.  U Certificate of Author   | 3 20 dding a d | s made in the seeks. Section No.  Name valid common valid common valid common valid common valid common valid in this Manager of implies and injury or valid common valid injury or valid  | e Excha  | ect and that all det.  5983  Inger Industries (A (Man C)  The National Board ABSA Report on In accordance will or a loss of any kin (Auth CERTIF and that the field as   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premovacturer)  EXTENDISTRUCTOR OF Soft Boiler and Present Construction of Construction of Construction Construction Sembly Construction Con | HOP COMPLIA  Brial, construct  | #10-3155A/E  ANCE tion, and workm  March 30  Signed  TION aspectors and/or  CALG  2010 .20  Division 1. By Data Report. Further in this inspection  Comm  OMPLIANCE of this vessel co  | the State or Province ARY, ALBERTA , and state that, to the signing this certific thermore, neither the (Nat'i Bost Informs with the requirements)   | (Repres  | entative) RTA  by knowled the Inspiror his emp   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| and employed by  | ASME Code for Pressur  U Certificate of Authon  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, et in any manner for any  Date SEP =  We certify that the state  Division 1.   | 3 20 dding a d | s made in the seeks. Section No.  Name valid common valid common valid common valid common valid common valid in this Manager of implies and injury or valid common valid injury or valid  | e Excha  | nger Industries (A  (Man  C  the National Board  ABSA  Report on in accordance will be pressure vessel of or a loss of any kill  (Auth  CERTIF and that the field as   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premufacturer)  Extribution of Premufacturer)  Extribution of Premufacturer)  Extribution of Premufacturer)  Extribution of Premufacturer)  It ASME Code, Sees of Boiler and Present Code, Sees of Boiler and Prese | o Drawing  HOP COMPLIA  Brial, construct  pires  Stalco Inc.)  HOP INSPEC  Sure Vessel In  of  SEP - 3  Section VIII.  Brialscored with  ASSEMBLY Connected with  ASSEMBLY Connected in of all parts of  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  ISSPECTORS and/or  CALG  2010 ,20  Division 1. By  Data Report. Function  Comm  COmm  COMPLIANCE  of this vessel co  | the State or Province ARY, ALBERTA , and state that, to the signing this certific thermore, neither the (Nat'i Bost Informs with the requirements)   | (Repres  | entative) RTA  by knowled the Inspiror his emp   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psigning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  J Certificate of Author  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, et in any manner for any  Date SEP  We certify that the state Division 1.  U Certificate of Author  Date   | diding a sescribe construction of the person | s made in the seeks. Section No.  100 Name valid common valid common valid common valid common valid common valid in this Manager of implies and injury or valid common valid injury or valid common valid injury or valid val | e Excha  | nger Industries (A  (Man  C  the National Board  ABSA  Report on in accordance wi e pressure vessel of or a loss of any kir  (Auth  CERTIF  and that the field as  (As  CERTIF   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premulacturer)  Experimental Construction of Construction of Premulacturer Construction of Construction Constructi | o Drawing HOP COMPLIA shal, construct pires stalco Inc.) HOP INSPEC sure Vessel In of SEP - 3 section VIII. shoulacturer's inconnected with  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  Isspectors and/or  CA/LG  2010 20  Division 1. By  Data Report. Full  Ithis inspection  Comm  Co | the State or Province ARY, ALBERTA , and state that, to I signing this certific thermore, neither the (Nat'i Boal  | (Repres  | entative) RTA  by knowled the Inspiror his emp   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psi, is signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, et in any manner for any  Date SEP   We certify that the sta Division 1.  U Certificate of Autho Date  I, the undersigned,  | diding a sescribe construction of the person | s made in the seeks. Section No.  100 Name valid common valid common valid common valid common valid common valid in this Manager of implies and injury or valid common valid injury or valid common valid injury or valid val | e Exchange E | ect and that all det  5983  nger Industries (A (Man C the National Board ABSA Report on in accordance wi e pressure vessel of or a loss of any kill (Auth CERTIF and that the field as CERTIS by the National Board  | Constructed in Constructed in Constructed in Constructed in Construction of Premoved in Construction in Constr | HOP COMPLIA  Brial, construct  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  Ispectors and/or  CALG  2010 ,20  Division 1. By Data Report. Furn  this inspection  Comm  COmm  OMPLIANCE of this vessel co   | the State or Province ARY, ALBERTA , and state that, to I signing this certific thermore, neither the (Nat'i Boal nforms with the require  | (Repres  | entative) RTA  by knowled the Inspiror his emp   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test psi, E signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  J Certificate of Autho- Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, et in any manner for any Date SEP  We certify that the state Division 1.  U Certificate of Author Date  I, the undersigned, and employed by   | dding a sescribe person | s made in the seeks. Section No.  Name valid common valid common valid common valid common valid common valid common valid in this Manager valid common valid in this received this received this received this received valid valid valid common valid valid common valid val | e Exchange E | nger Industries (A (Man C the National Board ABSA Report on in accordance wi e pressure vessel o or a loss of any kir (Auth CERTIFI and that the field as (As  | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premovacturer)  Experimental Construction of Construction of Premovacturer Construction of Construction Constructi | o Drawing HOP COMPLIA serial, construct pires stalico Inc.) HOP INSPEC sure Vessel in of SEP - 3 section VIII. anufacturer's l'acconnected with ASSEMBLY C in of all parts of section VIII. ASSEMBLY C in of all parts of section VIII.  | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  aspectors and/or  CA/LG  2010 .20  Division 1. By  Data Report, Fur  In this inspection  Comm  Comm  OMPLIANCE  of this vessel co  Signed  NSPECTION  In Inspectors and  | the State or Province ARY, ALBERTA , and state that, to Issigning this certific thermore, neither the Maria solutions with the requirement of the State or Province | (Repres  | entative) RTA  by knowled the Inspiror his emp   | ge and belief, the<br>ector nor his<br>ployer shall be<br>state.Prov.and   |
| signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  J Certificate of Author  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, e than any manner for any  Date SEP  We certify that the sta  Division 1.  U Certificate of Author  Date  I, the undersigned, and employed by have compared the  | dding a sescribe control of the cont | s made in the seeks. Section No.  Name valid commend in this Mandel of in this Mandel of implies on this result of the section No.  Name of the section of the section No.  Name of the section No.  | e Exchainssion (Superior Superior Super | nger Industries (A (Man C the National Board ABSA Report on in accordance wi e pressure vessel o or a loss of any kir (Auth CERTIF and that the field as (AS CERTIS by the National Board Data Report with the   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premovation of Premovation of Premovation of Premovation of Premovation of Construction  | Drawing HOP COMPLIA  Principles  Principle | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  aspectors and/or  CALG  2010 ,20  Division 1. By  Data Report. Fun  this inspection  Comm  OMPLIANCE of this vessel co  Signed  NSPECTION  In Inspectors and  state that parts   | the State or Province ARY, ALBERTA , and state that, to Itsigning this certific thermore, neither the Missions (Nat'i Bosinforms with the required)  | (Repres of ALBER of A | entative)  RTA  ly knowled the Inspr or his emp  sements.S  SME Code sentative)  | ge and belief, the<br>ector nor his<br>eloyer shall be<br>state.Prov.and   |
| signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with   | ASME Code for Pressur  J Certificate of Author  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warranty, e than any manner for any  Date SEP  We certify that the sta  Division 1.  U Certificate of Author  Date  I, the undersigned, and employed by have compared the not included in the  | dding a sescribe construction of the construct | s made in the seeks. Section No.  Name valid commend in this Mandel this person of the section No.  Name of the section No.  | e Exchainssion 1 Superior NIII, Division 1  e Exchainssion issued by inufacturer's Data resure vessel and, concerning the property damage port are correct and property damage port are correct and the superior superior inspection, have   | nger Industries (A (Man C the National Board ABSA Report on in accordance wi e pressure vessel o or a loss of any kir (Auth CERTIF and that the field as (AS CERTII by the National Board Data Report with the   | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premovation of Premovation of Premovation of Premovation of Premovation of Construction of Construction Construction of  | Drawing HOP COMPLIA  Print Construct  Pr | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  aspectors and/or  CALG  2010 ,20  Division 1. By  Data Report. Fun  this inspection  Comm  OMPLIANCE of this vessel co  Signed  NSPECTION  In Inspectors and  state that parts  adde and belief.   | the State or Province ARY, ALBERTA , and state that, to I signing this certific thermore, neither the dissions (Nat'i Bosi nforms with the requir  | (Repres of ALBER of A | entative)  RTA  If knowled the inspiror his employed the semplor his em | ge and belief, the ector nor his eloyer shall be state.Prov.and e. Section VIII,   |
| Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with  | ASME Code for Pressur  J Certificate of Author  Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, e tin any manner for any  Date SEP   We certify that the state Division 1.  U Certificate of Author  Date  I, the undersigned, and employed by have compared the not included in the pressure vessel in                    | diding a sescribe construction of the sescrib | s made in the seets. Section No.  Name of a line of the seed or implies on this result of the seed or implies on the seed or implies or in this seed of shop ance with A  | e Exchainssion 1  e Exchainssion issued by inufacturer's Data ressure vessel and concerning the property damage Signed  port are correct and incoming the property damage is a second of the property damage.   | sect and that all det  5983  Inger Industries (A (Man C the National Board ABSA Report on in accordance will be pressure vessel of or a loss of any kin CERTIF and that the field as CERTIF by the National Board Data Report with the been inspected by on VIII, Division 1.  | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premufacturer)  EXTERISTICATE OF Sof Boiler and Present Construction of Construction of Construction  | HOP COMPLIA  AND C | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  Ispectors and/or  CALG  2010 , 20  Division 1. By  Data Report. Furn  Comm  Comm  OMPLIANCE of this vessel co  Signed  NSPECTION  Inspectors and  state that parts  adge and belief, cted and subject  cted  | the State or Province ARY, ALBERTA , and state that, to I signing this certific thermore, neither the dissions (Nat'l Boar of the State or Province of the State or Province of the Manufacturer has sed to a hydrostatic te   | (Repres of ALBER of the best of mate neither inspector in the dinciendor of Albert of  | entative) RTA  by knowled the Inspr or his emp  sements.S SME Code sentative   | ge and belief, the ector nor his bloyer shall be state. Prov. and as. Section VIII, and the psi. E   |
|  | ASME Code for Pressur  J Certificate of Authon Date SEP 0  I, the undersigned, hole and employed by the pressure vessel de Manufacturer has commakes any warrenty, e tin any manner for any  Date SEP -  We certify that the sta Division 1.  U Certificate of Authon Date  I, the undersigned, and employed by have compared the not included in the pressure vessel in signing this certific | diding a 200 didin | s made in the seets. Section No.  Name of the seed or implies and injury or the seed or implies and the seed or in th | e Exchainssion 1  e Exchainssion issued by inufacturer's Data ressure vessel ad, concerning the property damage Signed  port are correct a ministration issued in inspection, have SME Code, Section pector nor his empetion is set.   | ect and that all det.  5983  Inger Industries (A. (Man. Che National Board. ABSA. Report on in accordance will be pressure vessel of or a loss of any kin. CERTIFIED CERTIFIED (A. CERTIFIED CERTIFIED CERTIFIED CERTIFIED CERTIFIED CERTIFIED (A. CERTIFIED CER | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premufacturer)  EXTERISTICATE OF Sof Boiler and Present Construction of Construction of Construction  | ASSEMBLY Con of all parts of asserting the pa | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  Ispectors and/or  CALG  2010 ,20  Division 1. By  Dota Report. Full  this inspection  Comm  Comm  OMPLIANCE of this vessel co  Signed  NSPECTION  Inspectors and  state that parts  adge and belief, cited and subject  concerning the p   | the State or Province ARY, ALBERTA , and state that, to a signing this certific thermore, neither the dissions (Nat'l Boar of the State or Province of the State or Province of the Manufacturer has sed to a hydrostatic teressure vesse! descriptions and the Manufacturer has sed to a hydrostatic teressure vesse! descriptions and the Manufacturer has sed to a hydrostatic teressure vesse! descriptions are the manufacturer has sed to a hydrostatic teressure vesse! descriptions are the manufacturer has sed to a hydrostatic teressure vesse! descriptions are the manufacturer has sed to a hydrostatic teressure vesse! descriptions are the manufacturer has the man | (Repres of ALBER of the best of mate neither inspector in the dinciendor dinciendor ements of A (Repres of A  | entative)  RTA  by knowled  the Inspr or his emp  sements.S  SME Code  sentative  and asse   | ge and belief, the ector nor his bloyer shall be blate. Prov. and blate. Bla |
|  | ASME Code for Pressur  J Certificate of Author  Date SEP 0  The undersigned, hole and employed by the pressure vessel de Manufacturer has comakes any warrenty, e in any manner for any  Date SEP -  We certify that the sta Division 1. U Certificate of Author  Date  I, the undersigned, and employed by have compared the not included in the pressure vessel in signing this certificate. | diding a 200 didin | s made in the seets. Section No.  Name of the seed or implies and injury or the seed or implies and the seed or in th | e Exchainssion 1  e Exchainssion issued by inufacturer's Data ressure vessel ad, concerning the property damage Signed  port are correct a ministration issued in inspection, have SME Code, Section pector nor his empetion is set.   | ect and that all det.  5983  Inger Industries (A. (Man. Che National Board. ABSA. Report on in accordance will be pressure vessel of or a loss of any kin. CERTIFIED CERTIFIED (A. CERTIFIED CERTIFIED CERTIFIED CERTIFIED CERTIFIED CERTIFIED (A. CERTIFIED CER | Constructed to Constructed to Constructed to Constructed to Construct Construction of Premufacturer)  EXTERISTICATE OF Sof Boiler and Present Construction of Construction of Construction  | ASSEMBLY Con of all parts of asserting the pa | #10-3155A/E  ANCE  tion, and workm  March 30  Signed  TION  Ispectors and/or  CALG  2010 ,20  Division 1. By  Dota Report. Full  this inspection  Comm  Comm  OMPLIANCE of this vessel co  Signed  NSPECTION  Inspectors and  state that parts  adge and belief, cited and subject  concerning the p   | the State or Province ARY, ALBERTA , and state that, to a signing this certific thermore, neither the dissions (Nat'l Boar of the State or Province the State or Province the Manufacturer has ted to a hydrostatic teressure vesse! descriptions and the Manufacturer has ted to a hydrostatic teressure vesse! descriptions and the Manufacturer has ted to a hydrostatic teressure vesse! descriptions are the manufacturer has ted to a hydrostatic teressure vesse! descriptions are the manufacturer has ted to a hydrostatic teressure vesse! descriptions are the manufacturer has ted to a hydrostatic teressure vesse! descriptions are the manufacturer has ted to a hydrostatic teressure vesse!   | (Repres of ALBER of the best of mate neither inspector in the dinciendor dinciendor ements of A (Repres of A  | entative)  RTA  by knowled  the Inspr or his emp  sements.S  SME Code  sentative  and asse   | ge and belief, the ector nor his bloyer shall be blate. Prov. and blate. Bla |