

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

① 595485

1. Manufactured and certified by EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) 5505 - 52 Street S.E., Calgary, AB T2C 2W8
(Name and address of manufacturer)

Manufactured for DPH Focus Corp., 4129 - 8 Street S.E., Calgary, AB
(Name and address of purchaser)

3. Location of installation EnCana FCC Oil Sands Ltd., Foster Creek, AB, L.S.D. # SW1/4-22-70-4
(Name and address)

4. Type Horizontal 08-5060A U9237.2 08-5060 Rev.4 - 2009
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2007
Year

6. Shell: SA516-70N As Below 6.400 mm N/A As Below
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (mm) Diam. I.D. (mm) Length (overall) (mm)

7. Seams: Mig root & Corner welds - 1.0 621°C 1 Mig root & Corner welds - 1.0 2
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) (Eff., %) H.T. Temp. (°C) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Full) (Eff. %) No of Courses

8. Heads: (a) Mat'l. - (b) Mat'l. -
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | | | | | | | | | | |
| (b) | | | | | | | | | | |

If removable, bolts used (describe other fastenings) -

9. MAWP 765 103 149 149 °C
(internal) (external) kpa at max. temp. (Internal) (external)

Min. design metal temp. -45 °C at 765 kpa. Hydro., pneu., or comb. test pressure 2555 kpa

10. Nozzles, inspection and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. or Size | Type | Mat'l. | Nom. Thk. | Reinforcement Mat'l. | How Attached | Location |
|--------------------------------|-----|---------------|-------|-----------|-----------|----------------------|--------------|-------------------|
| Inlet | 1 | 8" CI.150 | RFWN | SA333-6 | .719" | None | UW16.1a | Top Front |
| Outlet | 1 | 8" CI.150 | RFWN | SA333-6 | .719" | None | UW16.1a | Bottom Front |
| Vents | 2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Top Front/Rear |
| Drains | 2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Bottom Front/Rear |
| T.I.'s/P.I.'s | 2/2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Nozzles |

11. Supports: Skirt No Lugs N/A Legs N/A Other Sideframes Attached Bolted
(Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(Name of part, item number, Mfr's. name and identifying stamp)
 P.S.V.: *** Impact Testing: Yes, required on plate material @ -45°C. Pipe & flanges exempt per UCS-66(g). Tubes exempt per UCS-
 T/S & P/S Thk.: 1.000" End Plate Thk.: .625" Box Sizes: 254 mm x 473 mm x 2334 mm
 Wrapper Thk.: .625" Pass/Stay Plate Thk.: .875" Box Sizes: 152 mm x 276 mm x 2334 mm
 Description: Amine Regen O/H Condenser Capacity: 0.2570 cu.m. Box Sizes:
 Item No.: E-5862 Tubes: 31.75 mm O.D. x 14 BWG M/W x 9754 mm lg., SA 179 (118 pcs.)
Full UT Constructed to drawing #08-5060 Rev.6
*** P.S.V. on piping per UG - 125 (g) to be installed by owners.

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We 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 ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 5,983 expires March 30, 20 11.
 Date July 31, 2009 Co. name Exchanger Industries (A Division of Premetalco Inc.) Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) at Calgary, Alberta, Canada
 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 ALBERTA and employed by ABSA
 have inspected the component described in this Manufacturer's Data Report on AUG - 1 2009, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 this inspection.
 Date AUG - 1 2009 Signed [Signature] Commissions ALTA # 11
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov., and No.)

[Handwritten mark]

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

① 595486

1. Manufactured and certified by EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) 5505 - 52 Street S.E., Calgary, AB T2C 2W8
 (Name and address of manufacturer)

Manufactured for DPH Focus Corp., 4129 - 8 Street S.E., Calgary, AB
 (Name and address of purchaser)

3. Location of installation EnCana FCC Oil Sands Ltd., Foster Creek, AB, L.S.D. # SW1/4-22-70-4
 (Name and address)

4. Type Horizontal 08-5060B U9237.2 08-5060 Rev.4 - 2009
 (Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2007
 Year

6. Shell: Addenda (Date) - Code Case Nos. - Special Service per UG-120(d) -

Mat'l. (Spec. No., Grade) SA516-70N As Below 6.400 mm N/A As Below
 (Nom. Thk. (in.) Corr. Allow. (mm) Diam. I.D. (mm) Length (overall) (mm))

7. Seams: Mig root & Corner welds - 1.0 621°C 1 Mig root & Corner welds - 1.0 2
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) (Eff. %) H.T. Temp. (°C) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Full) (Eff. %) No. of Courses

8. Heads: (a) Mat'l. - (b) Mat'l. -
 (Spec. No., Grade) (Spec. No., Grade)

| Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | | | | | | | | | |
| (b) | | | | | | | | | |

If removable, bolts used (describe other fastenings) -
 (Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 765 103 149 149 °C.
 (internal) (external) kpa at max. temp. (Internal) (external)

Min. design metal temp. -45 °C at 765 kpa. Hydro., pneu., or comb. test pressure 2555 kpa.

10. Nozzles, inspection and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. or Size | Type | Mat'l. | Nom. Thk. | Reinforcement Mat'l. | How Attached | Location |
|--------------------------------|-----|---------------|-------|-----------|-----------|----------------------|--------------|-------------------|
| Inlet | 1 | 8" CI.150 | RFWN | SA333-6 | .719" | None | UW16.1a | Top Front |
| Outlet | 1 | 8" CI.150 | RFWN | SA333-6 | .719" | None | UW16.1a | Bottom Front |
| Vents | 2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Top Front/Rear |
| Drains | 2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Bottom Front/Rear |
| T.I.'s/P.I.'s | 2/2 | 2" CI.150 | RFLWN | SA350-LF2 | .531" | None | UW16.1a | Nozzles |

11. Supports: Skirt No Lugs N/A Legs N/A Other Sideframes Attached Bolted
 (Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(Name of part, item number, Mfr's. name and identifying stamp)
 P.S.V.: *** Impact Testing: Yes, required on plate material @ -45°C. Pipe & flanges exempt per UCS-66(g). Tubes exempt per UCS-
 T/S & P/S Thk.: 1.000" End Plate Thk.: .625" Box Sizes: 254 mm x 473 mm x 2334 mm
 Wrapper Thk.: .625" Pass/Stay Plate Thk.: .875" Box Sizes: 152 mm x 276 mm x 2334 mm
 Description: Amine Regen O/H Condenser Capacity: 0.2570 cu.m. Box Sizes: -
 Item No.: E-5862 Tubes: 31.75 mm O.D. x 14 BWG M/W x 9754 mm lg., SA 179 (118 pcs.)
Full UT Constructed to drawing #08-5060 Rev.6
*** P.S.V. on piping per UG - 125 (g) to be installed by owners.

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We 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 ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 5,983 expires March 30, 2011.
 Date July 31, 2009 Co. name Exchanger Industries (A Division of Premetalco Inc.) Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) at Calgary, Alberta, Canada
 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 ALBERTA and employed by ABSA
 have inspected the component described in this Manufacturer's Data Report on AUG - 1 2009, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 this inspection.
 Date AUG - 1 2009 Signed [Signature] Commissions AB# 11
 (Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov., and No.)

KLB

**MANUFACTURER'S DATA REPORT
 FOR PRESSURE VESSEL
 DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
 D'APPAREILS SOUS PRESSION**

Partial/Partiel

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression

| | |
|---|---|
| Manufactured by Construit par | Name and address of Manufacturer/Nom et adresse du constructeur EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) 5505 - 52 Street S.E., Calgary, AB T2A 6A8 |
| Manufactured for Construit pour | Name and address of Purchaser or Consignee/Nom et adresse du client ou de son représentant DPH Focus Corp., 4129 - 8 Street S.E., Calgary, AB |
| Ultimate owner Utilisateur | Name and address / Nom et adresse EnCana FCC Oil Sands Ltd., 150 - 9 Avenue S.W., Calgary, AB T2P 3H9 |
| Location of Installation Lieu d'Installation | Address / Adresse Foster Creek, AB, L.S.D.# SW1/4-22-70-4 |

| | | | |
|--|--|--|---|
| Pressure vessel/Appareil | | | |
| Type/Genre Heating Coil | Serial No./No de série 08-5060A1 | Year built/Année de fab. 2009 | Overall length/Long. totale 8878 mm |
| Provincial Registration No. - C.R.N./ No d'enregistrement provincial N.E.C. OH08720.2 | National Board No./No National Board - | Drawing No/No de dessin 06-5979 Rev. 6 | Diameter/Diamètre N/A |

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.
 Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

| | | | | |
|--|-------------------------|----------------------|---------------------------------------|--|
| The design, construction and workmanship conform to CSA B51. La conception, la construction et la façon sont conformes à ACNOR B51. | ASME SEC VIII | Division 1 | Edition/ Supplément 2007 | Code case No. No de cas - |
|--|-------------------------|----------------------|---------------------------------------|--|

Manufacturers' partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:
 Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:

| | | | |
|-------------------------------------|-------------------|---|--|
| Names of parts/Nom de la composante | Item No/No d'item | Manufacturer's Name/Nom du constructeur | Identifying Stamp/Estampe d'identification |
|-------------------------------------|-------------------|---|--|

Shell/Virole

| Description | Material Matériau | Thickness Épais.minim. | Corr. Allow. Surep. corr. | Diameter Diamètre | Overall Length Long. totale | No. of Courses Nombre de sections | Girth Joint Joint de circ. | | | Longitudinal Joints Joints longitudinaux | | | P.W.H.T. Traitement therm. | |
|----------------|----------------------|---------------------------|---------------------------------|----------------------|--------------------------------------|--|-------------------------------|-----------------|---------------------|---|-----------------|---------------------|-------------------------------|---------------|
| | | | | | | | Type | R.T. Radiog. | Effy. Efficacité | Type | R.T. Radiog. | Effy. Efficacité | Temp. | Time Durée |
| Headers | SA333-6 | .154" | 1.04 mm | 2" | 2110 mm | 2 | 1 | - | 0.70 | S | - | 0.70 | N/A | N/A |

Head/Têtes

| Description | Material Matériau | Min. Thick Épais.minim. | Corr. Allow. Surep. corr. | Crown Radius Rayon couron. | Knuckle Radius Petit rayon | Ellipse Ratio Rapp. ellipse | Conical Apex Angle Angle conique | Hemisphere Radius Rayon Hemisp. | Flat Diameter Diamètre plat | Side to Pressure Cote souspression |
|-------------|----------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|---|--|--------------------------------------|---|
| Ends | SA516-70N | .375" | 1.04 mm | | | | | | 88.9 mm | |

| | | | |
|--|----------------------------------|-------|----------------|
| Removable bolts used (describe other fasteners) Boulons amovibles utilisés (décrire tout autre attache) | Material spec./Spec. du matériau | Grade | Size/Dimension |
|--|----------------------------------|-------|----------------|

Pressure - Temperature/Pression - température

| | | | | |
|---------------------------------------|--|---|--|---|
| Pressure Vessel Part de l'appareil | Constructed for max. allowable working pressure Construit pour une pression maximale de arche permise | At max. temperature A une temp. maximale | Minimum design metal temperature Température minimale | Test pressure (hydro-pneumatic or comb.) Pression d'épreuve (hydro-pneumatique ou combinaison) |
| Heating Coil | 1378 kPa | 185°C | -45°C | 1791 kPa |

KLB

**MANUFACTURER'S DATA REPORT
 FOR PRESSURE VESSEL
 DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
 D'APPAREILS SOUS PRESSION**

Partial/Partiel

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression

| | |
|---|---|
| Manufactured by Construit par | Name and address of Manufacturer/Nom et adresse du constructeur EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) 5505 - 52 Street S.E., Calgary, AB T2A 6A8 |
| Manufactured for Construit pour | Name and address of Purchaser or Consignee/Nom et adresse du client ou de son représentant DPH Focus Corp., 4129 - 8 Street S.E., Calgary, AB |
| Ultimate owner Utilisateur | Name and address / Nom et adresse EnCana FCC Oil Sands Ltd., 150 - 9 Avenue S.W., Calgary, AB T2P 3H9 |
| Location of Installation Lieu d'Installation | Address / Adresse Foster Creek, AB, L.S.D.# SW1/4-22-70-4 |

| | | | |
|---|--|--|---|
| Pressure vessel/Appareil | | | |
| Type/Genre Heating Coil | Serial No./No de série 08-5060B1 | Year built/Année de fab. 2009 | Overall length/Long. totale 8878 mm |
| Provincial Registration No.- C.R.N./ No d'enregistrement provincial N.E.C. OH08720.2 | National Board No./No National Board - | Drawing No/No de dessin 06-5979 Rev. 6 | Diameter/Diamètre N/A |

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.
 Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

| | | | | |
|--|-------------------------|----------------------|---------------------------------------|--|
| The design, construction and workmanship conform to CSA B51. La conception, la construction et la façon sont conformes a ACNOR B51. | ASME SEC VIII | Division 1 | Edition/ Supplément 2007 | Code case No. No de cas - |
|--|-------------------------|----------------------|---------------------------------------|--|

Manufacturers' partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:
 Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:

| Names of parts/Nom de la composante | Item No/No d'item | Manufacturer's Name/Nom du constructeur | Identifying Stamp/Estampe d'identification |
|-------------------------------------|-------------------|---|--|
| | | | |

| Shell/Virole | | | | | | | | | | | | | | | |
|---------------------|----------------------|---------------------------|---------------------------------|----------------------|--------------------------------------|--|-------------------------------|------------------|---------------------|---|------------------|---------------------|-------------------------------|---------------|--|
| Description | Material Matériau | Thickness Épais.minim. | Corr. Allow. Surep. corr. | Diameter Diamètre | Overall Length Long. totale | No. of Courses Nombre de sections | Girth Joint Joint de circ. | | | Longitudinal Joints Joints longitudinaux | | | P.W.H.T. Traitement therm. | | |
| | | | | | | | Type | R. T. Radiog. | Effy. Efficacité | Type | R. T. Radiog. | Effy. Efficacité | Temp. | Time Durée | |
| Headers | SA333-6 | .154" | 1.04 mm | 2" | 2110 mm | 2 | 1 | - | 0.70 | S | - | 0.70 | N/A | N/A | |

| Head/Têtes | | | | | | | | | | | |
|-------------------|----------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|---|--|--------------------------------------|---|--|
| Description | Material Matériau | Min. Thick Épais.minim. | Corr. Allow. Surep. corr. | Crown Radius Rayon couron. | Knuckle Radius Petit rayon | Ellipse Ratio Rapp. ellipse | Conical Apex Angle Angle conique | Hemisphere Radius Rayon Hemisp. | Flat Diameter Diametre plat | Side to Pressure Cote souspression | |
| | | | | | | | | | | | |
| Ends | SA516-70N | .375" | 1.04 mm | | | | | | 88.9 mm | | |

| | | | |
|--|-----------------------------------|-------|----------------|
| Removable bolts used (describe other fasteners) Boulons amovibles utilisés (décrire tout autre attache) | Material spec./Spec. du matériaux | Grade | Size/Dimension |
|--|-----------------------------------|-------|----------------|

| Pressure - Temperature/Pression - température | | | | |
|--|--|---|--|---|
| Pressure Vessel Part de l'appareil | Constructed for max. allowable working pressure Construit pour une pression maximale de arche permise | At max. temperature A une temp. maximale | Minimum design metal temperature Temperature minimale | Test pressure (hydro-pneumatic or comb.) Pression d'épreuve (hydro-pneumatique ou combinaison) |
| Heating Coil | 1378 kPa | 185°C | -45°C | 1791 kPa |