

610

CERTIFIED BY:

**ENERFLEX**

CALGARY, ALBERTA, CANADA

W
RT- 2

MAWP 230 PSI @ 300 °F

MAEWP --- PSI @ --- °F

MDMT -20 °F @ 230 PSI

SN 31971211 YEAR 2012

CRN T1386.213 C.A. 0 0625 IN

SH.THK 0.500 IN MAT'L SA 106-B

HD.THK 0.4375 IN MAT'L SA 516-70N

Ⓐ 619967

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

A 619967

1. Manufactured and certified by Enerflex Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Manufacturer)  
Manufactured for Enerflex Leasing Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Purchaser)

3. Location of installation RENTAL  
(Name and address)

4. Type Vertical, Stage #1 Suction Scrubber 31971211 T1386.213 31258-S3 Rev.0 610 2012  
(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 2010  
Year

to 2011 2714 --  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-106-B 0.500" 0.0625" 1', 7" 5', 0" S/S  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS NONE 100 -- -- TYPE 1 SPOT 70 1  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses

8. Heads: (a) Mat'l. SA-516-70N (b) Mat'l. SA-516-70N  
(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)	TOP	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE

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

9. MAWP 230 N/A psi at max. temp. 300 N/A °F  
(internal) (external) (internal) (external)

Min. design metal temp. -20 °F at 230 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 299 psi.  
Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Mat'l.	Attachment Details		Location
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	6"	RFWN CL.150	SA-234-WPB/SA-106B	SA-105-N	0.432"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
OUTLET/INSP	1	6"	RFWN CL.150	SA-106-B	SA-105-N	0.432"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
LC/LSHH/INSP	3	2"	TOL	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(a)	WELDED	SHELL
DRAIN	1	1 1/2"	RFWN CL.150	SA-234-WPB/SA-106B	SA-105-N	0.281"	0.0625"	--	UW-16.1(c)	TYPE1	HEAD
TI//LG	3	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	WELDED	SHELL
VENT	1	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	WELDED	HEAD

11. Supports: Skirt YES Lugs 2 Legs N/A Other N/A Attached HEADS-WELDED  
(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 this report: NONE  
(Name of part, item number. Mfr's name and identifying stamp)

SERVICE: SWEET

PSV ON PIPE AS PER UG-125

CONST. DRAWING NO.: 31971-211 Sht. 1, 2 REV.0

RADIOGRAPHY: SPOT UW-11(a)5b/UW-12(d)/UW-12(c)

TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c)

CUBIC CAPACITY: 10.88 CUBIC FEET

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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 28071 expires December 7, 2012.  
Date Sept 25, 2012 Co. name Enerflex Ltd. Signed (Representative)  
(Manufacturer)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Enerflex Ltd. 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 OCT 09 2012, 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/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 OCT 09 2012 Signed Nitanshan Nag Commissions 12860 A.B ALBERTA 242  
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)



NG 611

CERTIFIED BY:

**ENERFLEX**

CALGARY, ALBERTA, CANADA



W

RT- 2

MAWP 655 PSI @ 300 °F

MAEWP ... PSI @ ... °F

MDMT -20 °F @ 655 PSI

SN 31971213 YEAR 2012

CRN V9141.213 C.A. 0.0625 IN

SH.THK 0.594 IN MAT'L SA 106-B

HD.THK 0.4375 IN MAT'L SA 516-70N

(A) 620019

**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

A 620019

1. Manufactured and certified by Enerflex Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Manufacturer)  
Manufactured for Enerflex Leasing Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Purchaser)

3. Location of installation RENTAL  
(Name and address)

4. Type Vertical, Stage #2 Suction Scrubber 31971213 V9141.213 31971-213 Rev.0 611 2012  
(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 2010  
Year

to 2011 2714 --  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-106-B 0.593" 0.0625" 1', 6.814" 5', 0" S/S  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS NONE 100 -- TYPE 1 SPOT 70 1  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses

8. Heads: (a) Mat'l. SA-516-70N (b) Mat'l. SA-516-70N  
(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)	TOP	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE

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

9. MAWP 655 N/A 300 N/A °F  
(internal) (external) psi at max. temp. (internal) (external)

Min. design metal temp. -20 °F at 655 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 852 psi.  
Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Mat'l.	Attachment Details		Location
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	3"	RFWN CL.300	SA-234-WPB/SA-106B	SA-105-N	0.437"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
OUTLET/INSP	1	3"	RFWN CL.300	SA-106-B	SA-105-N	0.437"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
LC/LSHH/INSP	3	2"	TOL	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(a)	WELDED	SHELL
DRAIN	1	1 1/2"	RFWN CL.300	SA-234-WPB/SA-333-Gr6	SA-105-N	0.400"	0.0625"	--	UW-16.1(c)	TYPE1	HEAD
TI/ILG	3	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	WELDED	SHELL
VENT	1	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	WELDED	HEAD

11. Supports: Skirt YES Lugs 2 Legs N/A Other N/A Attached HEADS-WELDED  
(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 this report: NONE  
(Name of part, item number. Mfr's name and identifying stamp)

SERVICE: SWEET

PSV ON PIPE AS PER UG-125

CONST. DRAWING NO.: 31971-213 SHT. 1.2 REV.1

RADIOGRAPHY: SPOT UW-11(a)5b/UW-12(d)/UW-12(c)

TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c)

CUBIC CAPACITY: 10.66 CUBIC FEET

**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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 28071 expires December 7, 2012.  
Date Sept 25, 2012 Co. name Enerflex Ltd. Signed [Signature] (Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by Enerflex Ltd. 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 NOV 08 2012, 2012, 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/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 NOV 08 2012 Signed Niranjana Nay Commissions 12860A, B ALBERTA 242  
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)



612

CERTIFIED BY:

**ENERFLEX**

CALGARY, ALBERTA, CANADA

U

W

RT- 2

MAWP 655 PSI @ 300 °F

MAEWP - - PSI @ - - °F

MDMT -20 °F @ 655 PSI

SN 31971215 YEAR 2012

CRN U0505.231 C.A. 0.0625 IN

SH.THK 0.500 IN MAT'L SA 106--B

HD.THK 0.4375 IN MAT'L SA 516--70N

(A) 619965

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

A619965

1. Manufactured and certified by Enerflex Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Manufacturer)  
Manufactured for Enerflex Leasing Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Purchaser)

3. Location of installation RENTAL  
(Name and address)

4. Type Vertical, Stage #3 Suction Scrubber 31971215 U0505.231 31960-211 Rev.1 612 2012  
(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 2010  
Year

to 2011 2714 --  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-106-B 0.500" 0.0625" 1', 3" 4', 6" S/S  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS NONE 100 -- -- TYPE 1 SPOT 70 1  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N  
(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)	TOP	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE

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

9. MAWP 655 N/A psi at max. temp. 300 N/A °F  
(internal) (external) (internal) (external)  
Min. design metal temp. -20 °F at 655 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 852 psi.  
Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Matl.	Attachment Details		Location
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	2"	RFWN CL.300	SA-106B	SA-105-N	0.343"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
OUTLET	1	2"	RFWN CL.300	SA-106-B	SA-105-N	0.343"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
LC/LS/INSP	3	2"	TOL	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(a)	WELDED	SHELL
DRAIN	1	1 1/2"	RFWN CL.300	SA-234-WPB/SA-106B	SA-105-N	0.343"	0.0625"	--	UW-16.1(c)	TYPE1	HEAD
TI//LG	3	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	WELDED	SHELL
VENT/INSP	1	2"	TOL	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(a)	WELDED	HEAD

11. Supports: Skirt YES Lugs 2 Legs N/A Other N/A Attached HEADS-WELDED  
(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 this report: NONE  
(Name of part, item number. Mfr's name and identifying stamp)

SERVICE: SWEET

CONST. DRAWING NO.: 31971-215 Sht. 1, 2 REV.0

PSV ON PIPE AS PER UG-125

TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c)

RADIOGRAPHY: SPOT UW-11(a)5b/UW-12(d)/UW-12(c)

CUBIC CAPACITY: 6.03 CUBIC FEET

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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 28071 expires December 7, 2012.  
Date Sept 25, 2012 Co. name Enerflex Ltd. Signed [Signature]  
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Enerflex Ltd. 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 OCT 09 2012, 2012, 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/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 OCT 09 2012 Signed Nilanjan Nay Commissions 12860 A, B ALBERTA 242  
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)



613

CERTIFIED BY:

**ENERFLEX**

CALGARY, ALBERTA, CANADA

U

W

RT- 2

MAWP 230 PSI @ 300 °F

MAEWP PSI @ °F

MDMT 20 °F @ 230 PSI

SN 31971220 YEAR 2012

CRN V9142.213 C.A. 0.0625 IN

SH.THK 0.500 IN MAT'L SA106--B

HD.THK 0.4375 IN MAT'L SA516--70N

(A)

620020

\*CORRECTED

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

A 620020

1. Manufactured and certified by Enerflex Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Manufacturer)  
2. Manufactured for Enerflex Leasing Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Purchaser)

3. Location of installation RENTAL  
(Name and address)

4. Type Horizontal, Stage #1 Suction Bottle 31971220 \* V9142.213 31971-220 Rev.0 613 2012  
(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 2010  
Year

to 2011 2714 --  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-106-B 0.500" 0.0625" 0', 11.75" 5', 0" S/S  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS NONE 100 -- -- TYPE 1 SPOT 70 1  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, or Full) Eff (%) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N  
(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)	END	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	END	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE

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

9. MAWP 230 N/A psi at max. temp. 300 N/A °F  
(internal) (external) (internal) (external)

Min. design metal temp. -20 °F at 230 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 299 psi.  
Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Matl.	Attachment Details		Location
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	6"	RFWN CL.150	SA-234-WPB/SA-106B	SA-105-N	0.432"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
OUTLET/INSP	2	5"	RFWN CL.300	SA-106-B	SA-105-N	0.375"	0.0625"	SA-516-70N	UW-16.1(c)	TYPE1	SHELL
PT	1	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	TYPE1	SHELL

11. Supports: Skirt NO Lugs NA Legs N/A Other N/A Attached NA  
(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 this report: NONE  
(Name of part, item number. Mfr's name and identifying stamp)

SERVICE: SWEET

PSV ON PIPE AS PER UG-125

CONST. DRAWING NO.: 31971-220 Sht. 1 REV.0

RADIOGRAPHY: SPOT UW-11(a)5b/UW-12(d)/UW-12(c)

TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c)

CUBIC CAPACITY: 4.2 CUBIC FEET

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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 28071 expires December 7, 2012.  
Date Nov 23, 2012 Co. name Enerflex Ltd. Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Enerflex Ltd. 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 NOV 08 2012, 2012, 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/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 NOV 23 2012 Signed Nilanjana Nag Commissions 12860 A.B ALBERTA 242  
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)



18 614

CERTIFIED BY:

**ENERFLEX**

CALGARY, ALBERTA, CANADA



W

RT- 2

MAWP 645 PSI @ 350 °F

MAEWP --- PSI @ --- °F

MDMT -20 °F @ 645 PSI

SN 31971222 YEAR 2012

CRN V9143.213 C.A. 0.0625 IN

SH.THK 0.500 IN MAT'L SA 106--E

HD.THK 0.4375 IN MAT'L SA 516--70 N

(A) 620021

**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

A 620021

1. Manufactured and certified by Enerflex Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Manufacturer)  
Manufactured for Enerflex Leasing Ltd., 3615 34<sup>th</sup> Street N.E. Calgary, Alberta, T1Y 6Z8 Canada  
(Name and address of Purchaser)

3. Location of installation RENTAL  
(Name and address)

4. Type Horizontal, Stage #1 Discharge Bottle 31971222 V9143.213 31971-222 Rev.0 614 2012  
(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 2010  
Year

to 2011 2714 --  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-106-B 0.500" 0.0625" 0', 9.75" 4', 1.99" S/S  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS NONE 100 -- -- TYPE 1 SPOT 70 1  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N  
(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)	END	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	END	0.4375"	0.0625"	--	--	2:1	--	--	--	CONCAVE

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

9. MAWP 645 N/A 350 N/A °F  
(internal) (external) psi at max. temp. (internal) (external)

Min. design metal temp. -20 °F at 645 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 839 psi.  
Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Matl.	Attachment Details		Location
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET/INSP	2	5"	RFWN CL.300	SA-106B	SA-105-N	0.375"	0.0625"	--	UW-16.1(c)	TYPE1	SHELL
OUTLET/INSP	1	3"	RFWN CL.300	SA-106-B	SA-105-N	0.300"	0.0625"	--	UW-16.1(c)	TYPE1	HEAD
DRAIN	1	3/4"	COUPLING	--	SA-105-N	CL.6000	0.0625"	--	UW-16.1(c)	TYPE1	SHELL

11. Supports: Skirt NO Lugs NA Legs N/A Other N/A Attached NA  
(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 this report: NONE  
(Name of part, item number. Mfr's name and identifying stamp)

SERVICE: SWEET PSV ON PIPE AS PER UG-125  
CONST. DRAWING NO.: 31971-222 Sht. 1 REV.0 RADIOGRAPHY: SPOT UW-11(a)5b/UW-12(d)/UW-12(c)  
TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c) CUBIC CAPACITY: 2.55 CUBIC FEET

**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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 28071 expires December 7, 2012.  
Date Sept 21, 2012 Co. name Enerflex Ltd. Signed [Signature] (Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by Enerflex Ltd. 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 NOV 08 2012, 2012, 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/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 NOV 08 2012 Signed Nilanjan Nay Commissions 12860 A.B ALBERTA 242  
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)





the pressure equipment safety authority

Please submit to:  
9410 – 20<sup>th</sup> Avenue  
Edmonton, AB T6N 0A4  
Tel (780) 437-9100 Fax (780) 437-7787

AB-10 2009-06

## BOILER AND PRESSURE VESSEL STATUS REPORT

**NOTE:** This form may be used to provide notification of changes in ownership, location, operating status or scrapped boilers and pressure vessels.

Please review the responsibilities of the vendor and the new owner under Section 36 of the Pressure Equipment Safety Regulation. (regulation can be found on our website [www.absa.ca](http://www.absa.ca))

Re: Vessel (A) 1) 624413 2) 624414 3) 624415  
Serial No. 125706A.3 125706A.4 125706A.5  
CRN V9283.213 V9284.2 V9285.213

☒ Vessel(s) sold or purchased. Please transfer the registration of the vessel(s) to:

Name of New Owner: Enerflex Ltd. Rentals

Mailing Address: 3615-34<sup>th</sup> Street NE Calgary, Alberta T1y 6Z8

New Location of Vessel: STOCK

(Street Address or LSD)

Contact Person: Gerry Steele

Tel: (403) 736-3032

E-Mail: \_\_\_\_\_

Date of Sale: NOV 06 2012

PO No.: Job # 31971

☐ Vessel(s) removed from service on: \_\_\_\_\_  
(The owner is responsible for ensuring the vessel is inspected by ABSA prior to it being returned to service in the Province of Alberta.)

☐ The above vessel(s) returned to service on: \_\_\_\_\_  
Inspected on: \_\_\_\_\_ (Date). Inspection Report attached ☐

☐ Vessel(s) relocated to: \_\_\_\_\_  
(Street Address or LSD)

☐ We own but do not know the location of this vessel. (ABSA records will record the location as unknown, and the applicable annual fee(s) will remain in force to your account. Responsibility for safe operation in Alberta continues to reside with your company. When the location become known, you are required to notify ABSA.)

☐ We sold this vessel(s) but do not know to whom. (ABSA records will retain your company name as the owner. Responsibility for safe operation in Alberta also remains with your company until new ownership details are received by ABSA.)

☐ Vessel(s) operating outside of the Province of Alberta since \_\_\_\_\_ (Date). Please remove from annual registration. You are required to notify ABSA if the vessel returns to service in Alberta.

### Vessel Scrapped – All three conditions below must be satisfied

- ☐ Vessel has been removed from service and there is no intention to return it to pressure service.  
☐ The nameplate has been removed and all other identification has been removed.  
☐ The vessel is in a condition that it cannot be pressurized. i.e. A hole has been cut in the vessel, or a nozzle has been removed, or a head has been cut off.

Company Name: Enerflex Ltd. (Account ID # 28962)

Position Title: QC Inspector

Tel: (403) 736-2729

(Please print name): Dennis Serrano

E-mail: dserrano@enerflex.com

Signature: \_\_\_\_\_

Date: NOV 06 2012



31971

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. Manufactured and certified by: AXH air-coolers, LLC - 401 EAST LOWRY ROAD - CLAREMORE, OKLAHOMA 74017  
(Name and address of manufacturer)

2. Manufactured for: ENERFLEX (CASPER), P.O. BOX 51150, CASPER, WYOMING 82605 *0624413*  
(Name and address of manufacturer)

3. Location of installation: UNKNOWN  
(Name and address)

4. Type: HORZ. H. EXCHANGER 125706A.3 V9283.213 125706-HDR-IC1 R0 & 125706-CRN1 R0 22485 2012  
(Horizontal or vertical, tank) (Manufacturer's serial no.) (ORN) (Drawing number(s)) (National Board number) (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. 2010 EDITION  
(Year)

to: 2011a ADDENDA  
(Addenda, if applicable (date)) (Code Case numbers) (Special Service per UG-120 (d))

6. Shell: TUBE/PLUG: SA-516-70 FR & BK 7/8" .0625 FR & BK 0' 5" 1' 8"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow) (Inner diameter) (Length (overall))

7. Seams: CORNER JOINT SEE REMARKS 1.0 NONE NONE  
(Long. (welded, dbl., singl., Lap, Butt)) (R.T. (Spot or Full)) (Eff., %) (H.T. temp.) (Time, hr) (Grth (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff., %) (No. of courses)

8. Heads: (a) Material WRAPPERS: SA-516-70 (b) Material ENDS: SA-516-70  
(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Min/um Thickness	Corrosion Allowance	Crown Radius	Knuck'e Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
a	WRAPPERS	1/2"	.0625	-	-	-	-	-	**	FLAT
b	ENDS	3/8"	.0625	-	-	-	-	-	***	FLAT

If removable, bolts used (describe other fastenings)

9. MAWP 645 psi. N/A at max. temp 350 °F N/A  
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 °F at 645 psi. Hydro., pneu.-of-comb. test pressure 839 psi.

Proof Test NONE

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet/Outlet/Drain)	No.	Diameter or size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET/OUTLET	2	3"-300#	PIPE/RFWN	SA-106-B	SA-105	S/80	0.0625	NONE	UW-16(a)	UW-16(a)	HEADER
INSTRUMENT	1	1"	CPLG	SA-105	-	6000#	0.0625	NONE	UW-16(a)	-	HEADER
PLUGS	46	3/4"-16	UNF	SA-105	-	-	-	-	-	-	HEADER

11. Supports: Skirt NO Lugs N/A Legs N/A Other STRUCTURE Attached BOLTED  
(Yes or no) (Number) (Number) (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, Manufacturer's name and identifying stamp)

\*2 HEADERS, ONE AT EACH END. \*\*WRAPPERS FLAT DIA. 2 3/4" X 1' 8". \*\*\*ENDS FLAT DIA. 2 3/4" X 4".

23 TUBES SA-214 5/8" O.D. X .060 MW 14' 0" LG. RADIOGRAPH PER CUSTOMER SPECIFICATIONS. ENERFLEX TAG: 31971

IMPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.

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 34.950 expires 02/07/2014

Date 9-24-12 Co. name AXH air-coolers, LLC. Signed *Blair J. Gombert*  
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by AXH air-coolers, LLC. at 401 E. LOWRY ROAD - CLAREMORE, OKLAHOMA 74017

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 OKLAHOMA and employed by TUV RHEINLAND AIA SERVICES, LLC OF TEXAS

have inspected the component described in this Manufacturer's Data Report on 9-15-12 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 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 9-25-12 Signed *[Signature]* Commissions NB12461A OK883  
(Authorized Inspector) (National Board (incl. endorsements,) State, Province, and number)



**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. Manufactured and certified by: AXH air-coolers, LLC - 401 EAST LOWRY ROAD - CLAREMORE, OKLAHOMA 74017  
(Name and address of manufacturer)

2. Manufactured for: ENERFLEX (CASPER), P.O. BOX 51160, CASPER, WYOMING 82605 **A 624414**  
(Name and address of purchaser)

3. Location of Installation: UNKNOWN  
(Name and address)

4. Type HORZ. H. EXCHANGER **125706A, B, C** V9284.213 125706-HDR-IC2 R0 & 125708-CRN2 R0 22487-22488 2012  
(Horizontal or vertical, tank) (Manufacturer's serial no.) (CRN) (Drawing number(s)) (National Board number) (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. 2010 EDITION  
Year

to: 2011a ADDENDA  
Addenda, if applicable (date)

6. Shell: TUBE/PLUG: SA-516-70 FR & BK 1" 0.0625 FR & BK 0'6 3/8" 1' 5 1/8"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow) (Inner diameter) (Length (overall))

7. Seams: CORNER JOINT SEE REMARKS 1.0 NONE NONE 2  
(Long. (welded, dcl, singl., Lap, Butt)) (R.T. (Spot or Full)) (Eff. %) (H.T. temp.) (Time, hr) (Grth (welded, dcl, singl., lap, butt)) (R.T. (spot or full)) (Eff. %) (No. of courses)

8. Heads: (a) Material WRAPPERS: SA-516-70 (b) Material ENDS: SA-516-70  
(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	WRAPPERS	1/2"	.0625	-	-	-	-	-	**	FLAT
b	ENDS	1/2"	.0625	-	-	-	-	-	***	FLAT

If removable, bolts used (describe other fastenings)

9. MAWP 645 psl. N/A at max. temp 350 °F N/A  
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 °F at 645 psl. Hydro., pneum.-exch. test pressure 839 psl.  
(Internal) (External)

Proof Test NONE

10. Nozzles, Inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET/OUTLET	2	3"-300#	PIPE/RFWN	SA-106-B	SA-105	S/80	0.0625	NONE	UW-16(a)	UW-16(a)	HEADER
INSTRUMENT	1	1"	CPLG	SA-105	-	6000#	0.0625	NONE	UW-16(a)	-	HEADER
PLUGS	84	3/4"-16	UNF	SA-105	-	-	-	-	-	-	HEADER

11. Supports: Skirt NO Lugs N/A Legs N/A Other STRUCTURE Attached BOLTED  
(Yes or no) (Number) (Number) (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, Manufacturer's name and identifying stamp)

\*2 HEADERS, ONE AT EACH END. \*\*WRAPPERS FLAT DIA. 2 3/4" X 1' 5 1/8". \*\*\*ENDS FLAT DIA. 2 3/4" X 5 3/8".

42 TUBES SA-214 5/8" O.D. X .060 MW 14' 0" LG. RADIOGRAPH PER CUSTOMER SPECIFICATIONS. ENERFLEX TAG: (A) 31971, (B) 31972

IMPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.

**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 34,950  
 expires 02/07/2014

Date 9-24-12 Co. name AXH air-coolers, LLC.

(Manufacturer)

Signed [Signature]

(Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by AXH air-coolers, LLC. at 401 E. LOWRY ROAD - CLAREMORE, OKLAHOMA 74017

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 OKLAHOMA and employed by TUV RHEINLAND AIA SERVICES, LLC OF TEXAS

have inspected the component described in this Manufacturer's Data Report on 9-17-12 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 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 9-25-12 Signed [Signature]

(Authorized Inspector)

Commissions NB12461A OK883

(National Board (incl. endorsements), State, Province, and number)



**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. Manufactured and certified by: AXH air-coolers, LLC - 401 EAST LOWRY ROAD - CLAREMORE, OKLAHOMA 74017  
(Name and address of manufacturer)

2. Manufactured for: ENERFLEX (CASPER), P.O. BOX 61150, CASPER, WYOMING 82605 A624415  
(Name and address of manufacturer)

3. Location of Installation: UNKNOWN 11/16/12  
(Name and address)

4. Type HORZ. H. EXCHANGER 125706A-B-5 V9285.213 125706-HDR-AC R0 & 125706-CRN3 R0 22489-22490 2012  
(Horizontal, or vertical, tank) (Manufacturer's serial no.) (CRN) (Drawing number(s)) (National Board number) (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.

to: 2011a ADDENDA 2010 EDITION  
Addenda, if applicable (date) (Code Case numbers) (Special Service per UG-120 (d))

6. Shell: TUBE/PLUG: SA-516-70N FR & BK 1 5/8" .0625 FR & BK 0' 6 5/8" 2' 2 1/4"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow) (Inner diameter) (Length (overall))

7. Seams: CORNER JOINT SEE REMARKS 1.0 NONE NONE - - - 2  
(Long. (welded, dbl., encl., Lap, Butt)) (R.T. (Spot or Full)) (Eff., %) (H.T. temp.) (Time, hr) (Grth (welded, dbl., encl., lap, butt)) (R.T. (spot or full)) (Eff., %) (No. of courses))

8. Heads: (a) Material WRAPPERS: SA-516-70 (b) Material ENDS: SA-516-70  
(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	WRAPPERS	3/4"	.0625	-	-	-	-	-	**	FLAT
b	ENDS	5/8"	.0625	-	-	-	-	-	***	FLAT

If removable, bolts used (describe other fastenings)

9. MAWP 1932 psl. N/A 350 °F N/A  
(Internal) (External) (Material spec. number, grade, size, number) (Internal) (External)

Min. design metal temp. -20 °F at 1932 psl. Hydro., pneu.-or-comb. test pressure 2512 psl.  
(Internal) (External) (Internal) (External)

Proof Test NONE

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet,Outlet,Drain)	No.	Diameter or size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET/OUTLET	2	2"900#	PIPE/RFWN	SA-106-B	SA-105	S/160	0.0625	NONE	UW-16(a)	UW-16(a)	HEADER
INSTRUMENT	1	1"	CPLG	SA-105	-	6000#	0.0625	NONE	UW-16(a)	-	HEADER
PLUGS	132	3/4"-16	UNF	SA-105	-	-	-	-	-	-	HEADER

11. Supports: Skirt NO Lugs N/A Legs N/A Other STRUCTURE Attached BOLTED  
(Yes or no) (Number) (Number) (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, Manufacturer's name and identifying stamp)

\*2 HEADERS, ONE AT EACH END. \*\*WRAPPERS FLAT DIA. 2 1/2" X 2' 2 1/4". \*\*\*ENDS FLAT DIA. 2 1/2" X 5 1/8".

66 TUBES SA-214 5/8" O.D. X .080 MW 14' 0" L.G. RADIOGRAPH PER CUSTOMER SPECIFICATION. ENERFLEX TAG: (A) 31971, (B) 31972

IMPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.

**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 34.950  
 expires 02/07/2014

Date 9-24-12 Co. name AXH air-coolers, LLC.

(Manufacturer)

Signed Colandrea Gambone

(Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by AXH air-coolers, LLC. at 401 E. LOWRY ROAD - CLAREMORE, OKLAHOMA 74017  
 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 OKLAHOMA and employed by TUV RHEINLAND AIA SERVICES, LLC OF TEXAS

have inspected the component described in this Manufacturer's Data Report on 9/17/12 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 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 9-25-12

Signed [Signature]

Commissions

NB12461A OK883

(Authorized Inspector)


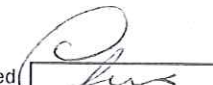
(National Board (incl. endorsements,) State, Province, and number)



# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>		<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>	
Enerflex Ltd		1809147	1809147-008	PSV-5103	
PO: MP556294					
Req# 31971, 31972		<b>Sup. Tag:</b>			
<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
27FA45-M20/00	2700	1.5"MNPTx2"FNPT	F	609614-3-KE	0G11969.5C
<b>SERVICE:</b>					
SERVICE: Gas		StampSymbol: UV NB			
CAPACITY: 454 SCFM		Metric Only: No			
<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
60 PSIG	0 PSIG	60 PSIG	60 PSIG	0 PSIG	150 F (66 C)
<b>MATERIAL/HEAT NUMBER ASSIGNMENT:</b>					
Body 919C	Nozzle	Valve Inspected for Hydro Tested Parts 			
Bonnet 914C	Disc YQ90243				
<b>PERFORMANCE TEST DATA:</b>					
TEST FLUID	<input checked="" type="checkbox"/> Air	<u>Final Test Pressure</u>	<u>Upper B.D.R. Setting:</u>	<u>Notches</u>	
	<input type="checkbox"/> Water	<u>60</u> PSIG	<u>Lower B.D.R. Setting:</u>	<u>Fixed</u> Notches	
	<input type="checkbox"/> Air Over Water	<u>          </u> KPAG	<u>Shop Test Gauges Used:</u> 1. S11A 2. S11H		
<b>BACK PRESSURE TEST:</b>					
<input type="checkbox"/> Not Applicable, (Open Bonnet / Cap Design)					
<input checked="" type="checkbox"/> <u>51</u> PSIG Air					
<b>SEAT TIGHTNESS TEST: API-527</b>					
<u>TEST FLUID</u>	<u>Req'd At</u>	<u>Leak Test Pressure</u>	<u>54</u> PSIG	<u>          </u> KPAG	
<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> 90%	No Visible Leaks	<input type="checkbox"/>		
<input type="checkbox"/> Water	<input type="checkbox"/> 95% Of Set Pressure	Leak Rate	<u>85</u> B.P.M.	Final Inspection / Tech Tested	
<input type="checkbox"/> Air Over Water				Date Tested	<u>9/12/2012</u>
<b>FOR WITNESS TESTING ONLY</b>					
Tested By: _____			Date: _____		
Customer Witness: _____			Farris Witness: _____		

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>		<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Enerflex Ltd		1809147	1809147-005	PSV-1301
<b>PO:</b>	MP556294			
<b>Req#</b>	31971, 31972	<b>Sup. Tag:</b>		

<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26DA14-120/00	2600	1.5"900RFx2"300RF	D	607141-1-A10	0G8442.5C

**SERVICE:**

SERVICE: Gas StampSymbol: UV NB


CAPACITY: 5048 SCFM Metric Only: No

<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
1932 PSIG	0 PSIG	1932 PSIG	1951 PSIG	19 PSIG	350 F (177 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body Y7087 Nozzle V2308

Bonnet Y7129 Disc 9XH2

Valve Inspected for Hydro Tested Parts 

**PERFORMANCE TEST DATA:**

TEST FLUID ☐ Air ☐ Water ☒ Air Over Water

Final Test Pressure 1751 PSIG

Upper B.D.R. Setting: N/A Notches

Lower B.D.R. Setting: -10 Notches

Shop Test Gauges Used: 1.5136 2.5134

**BACK PRESSURE TEST:**

☐ Not Applicable, (Open Bonnet / Cap Design)

☒ 120 PSIG Air

**SEAT TIGHTNESS TEST: API-527**

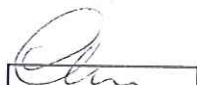
TEST FLUID ☒ Air ☐ Water ☐ Air Over Water

Req'd At 90% 95% Of Set Pressure

Leak Test Pressure 1756 PSIG

No Visible Leaks ☐

Leak Rate 0 B.P.M.

Final Inspection / Tech Tested 

Date Tested 9/12/2017

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_

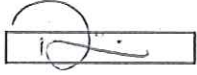
Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_



# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>		<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Enerflex Ltd		1809147	1809147-003	PSV-1201
PO: MP556294				
Req# 31971, 31972		Sup. Tag:		
<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>
26EA12-120/00	2600	1"300RFx2"150RF	E	587773-9-A10
<b>CRN#</b>				
0G8442.5C				
<b>SERVICE:</b>				
SERVICE: Gas		StampSymbol: UV NB		
CAPACITY: 2562 SCFM		Metric Only: No		
<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>
645 PSIG	0 PSIG	645 PSIG	651 PSIG	6 PSIG
				<u>Temperature</u>
				350 F (177 C)
<b>MATERIAL/HEAT NUMBER ASSIGNMENT:</b>				
Body	Y6303	Nozzle	423752	Valve Inspected for Hydro Tested Parts 
Bonnet	Y6201	Disc	7NK5	
<b>PERFORMANCE TEST DATA:</b>				
TEST FLUID	<input checked="" type="checkbox"/> Air	Final Test Pressure	Upper B.D.R. Setting:	Notches
	<input type="checkbox"/> Water	651 PSIG	Lower B.D.R. Setting:	-18 Notches
	<input type="checkbox"/> Air Over Water	KPAG	Shop Test Gauges Used:	1. 11K 2. 11N
<b>BACK PRESSURE TEST:</b>				
<input type="checkbox"/> Not Applicable, (Open Bonnet / Cap Design)				
<input checked="" type="checkbox"/> 120 PSIG Air				
<b>SEAT TIGHTNESS TEST: API-527</b>				
TEST FLUID	Req'd At	Leak Test Pressure	586 PSIG	KPAG
<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> 90%	No Visible Leaks	<input type="checkbox"/>	
<input type="checkbox"/> Water	<input type="checkbox"/> 95% Of Set Pressure	Leak Rate	9 B.P.M.	Final Inspection / Tech Tested
<input type="checkbox"/> Air Over Water				Jim
				Date Tested
				Sept/12/12
<b>FOR WITNESS TESTING ONLY</b>				
Tested By: _____		Date: _____		
Customer Witness: _____		Farris Witness: _____		

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>	<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Enerflex Ltd	1809147	1809147-001	PSV-1101
<b>PO:</b> MP556294			
<b>Req#</b> 31971, 31972			<b>Sup. Tag:</b>

<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26GA12-120/00	2600	1.5300"RFx2.5150"RF	G	611689-3-A10/G	0G8442.5C

**SERVICE:**

SERVICE: Gas StampSymbol: UV NB


CAPACITY: 6270 SCFM Metric Only: No

<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
635 PSIG	0 PSIG	635 PSIG	641 PSIG	6 PSIG	350 F (177 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body Y7181 Nozzle W5560

Bonnet W4770 Disc 24368

Valve Inspected for Hydro Tested Parts 

**PERFORMANCE TEST DATA:**

TEST FLUID ☒ Air ☐ Water ☐ Air Over Water

Final Test Pressure 641 PSIG

Upper B.D.R. Setting: Notches

Lower B.D.R. Setting: -9 Notches

Shop Test Gauges Used: 1. 11K 2. 11N

**BACK PRESSURE TEST:**

☐ Not Applicable, (Open Bonnet / Cap Design)

☒ 120 PSIG Air


**SEAT TIGHTNESS TEST: API-527**

TEST FLUID ☒ Air ☐ Water ☐ Air Over Water

Req'd At ☒ 90% ☐ 95% Of Set Pressure

Leak Test Pressure 577 PSIG

No Visible Leaks ☐

Leak Rate  B.P.M.

Final Inspection / Tech Tested Jim

Date Tested Sept/12/12

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_

Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_



# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

31971

<b>CUSTOMER</b>		<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Enerflex Ltd		1865781	1865781-001	PSV-1102 ✓
PO: MP559402				
Req# 31971,31972		Sup. Tag:		
<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>
27CA33-M20/00	2700	1"MNPTx1"FNPT ✓	C ✓	619743-15-KE ✓
				<b>CRN#</b>
				OG11969.5C
<b>SERVICE:</b>				
SERVICE: Liquid		StampSymbol: UV NB		
CAPACITY: 27 US GPM		Metric Only: No		
<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>
230 PSIG ✓	0 PSIG	230 PSIG	230 PSIG	0 PSIG
				<u>Temperature</u>
				65 F (18 C)
<b>MATERIAL/HEAT NUMBER ASSIGNMENT:</b>				
Body 858C		Nozzle		Valve Inspected for Hydro Tested Parts
Bonnet 135D		Disc Y110519G		metz
<b>PERFORMANCE TEST DATA:</b>				
TEST FLUID	<input type="checkbox"/> Air	Final Test Pressure	Upper B.D.R. Setting:	NA Notches
	<input checked="" type="checkbox"/> Water	230 PSIG	Lower B.D.R. Setting:	FIXED Notches
	<input type="checkbox"/> Air Over Water	KPAG	Shop Test Gauges Used:	1. 11W 2. 11P
<b>BACK PRESSURE TEST:</b>				
<input type="checkbox"/> Not Applicable, (Open Bonnet / Cap Design)				
<input checked="" type="checkbox"/> 220 PSIG Air				
<b>SEAT TIGHTNESS TEST: API-527</b>				
TEST FLUID	Req'd At	Leak Test Pressure		
<input type="checkbox"/> Air	<input checked="" type="checkbox"/> 90%	207 PSIG		KPAG
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> 95% Of Set Pressure	No Visible Leaks <input checked="" type="checkbox"/>	Leak Rate	
<input type="checkbox"/> Air Over Water			B.P.M.	
Final Inspection / Tech Tested				CHUCK
Date Tested				11/28/12
<b>FOR WITNESS TESTING ONLY</b>				
Tested By: _____		Date: _____		
Customer Witness: _____		Farris Witness: _____		



# PRESSURE PIPING CONSTRUCTION AND TEST DATA REPORT

In accordance with the provisions of the PESR Section 31(1)

Shop Construction ☒; Field Construction ☐;  
 Final Data Report ☒; Partial Data Report ☐ (from one ABSA- authorized Contractor to another  
 ABSA- authorized Contractor).

Complete both sides of this Form

1. Constructed By: Enerflex Ltd. Owner's Job No: 31971  
 (Name of ABSA authorized primary contractor or subcontractor)  
3615-34th Street NE Calgary, Alberta T1Y 6Z8

(Address)

Certificate of Authorization Permit No. AQP-1032(S) Expiry Date: December 07, 2012

2. Constructed For: N/A  
 (Name of primary contractor if different from above)

N/A

(Address)

Certificate of Authorization Permit No. AQP-N/A Expiry Date: N/A

(Required when the primary contractor undertakes some/all of the quality functions, e.g., NDE, PWHT, Tie-in, fabrication, hydro test, final assembly etc.)

3. Owner: Enerflex Ltd. Rentals 3615-34th Street NE Calgary, Alberta T1Y 6Z8  
 (Name and address)

STOCK

(Location of installation)

Certificate of Authorization Permit No. AQP- 8203 Expiry Date: September 8, 2015

(Required when the owner undertakes some/all of the quality functions, e.g., NDE, PWHT, Tie-in, fabrication, hydro test, final assembly etc.)

4. Piping Design Alberta Registration No.: PP-  
 (Required if aggregate piping volume is over 0.5m<sup>3</sup>)

5. Design Responsibility: Owner ☐; Contractor ☒

6. WP No.: WP-496.2; Company: Enerflex Ltd. Owner's WP No. (If used): WP-NA  
 (Alberta Registration No.) (Alberta Registration No.)  
 WPS No(s). used: 1, 2, 3, 5, 8; Owner's WPS No(s). (If used):

7. Code: ASME B31.1 Non Boiler External Piping ☐; ASME B31.1 Boiler External Piping ☐;  
 B31.5 ☐; B31.9 ☐; CSA Z662 Steam Pipelines ☐;  
 ASME B31.3 ☒ - Service Category: Normal ☒, D ☐, M ☐, High Pressure ☐; Severe Cyclic Condition ☐  
 High Purity ☐

Drawing No. Rev. No. Line No.	Fluid (Air/Stm. Etc.)	Des. Press. Psi	Des. Temp. °F (Max. & Min.)	Pressure Test Psi	Test Medium	Pipe Mat'l Spec. & Grade	C.A. In	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. °F	NDE
31971-501-1S1 Sht.1 Rev.0	GAS	230	-20/300°F	379	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
31971-501-1S2A Sht.2 Rev.0	GAS	230	-20/300°F	379	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
31971-501-2S2 Sht.3 Rev.1	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	6" STD	SA105N CL.600 CL.300	-/60°F	5% RT Visual
31971-501-3S2 Sht.4 Rev.0	GAS	655	-29/300°F	1080	WATER	SA106B	1/16	4" XH	SA105N CL.1500 CL.300	-/60°F	5% RT Visual
31971-501-1D1B Sht.5 Rev.A	GAS	645	-29/350°F	1081	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual
31971-501-1D1A Sht.6 Rev.0	GAS	645	-20/350°F	1081	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual
31971-501-2S1A Sht.7 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual
31971-501-2S1B Sht.8 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual



31971-501-2S1C Sht.9 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual
31971-501-2S1D Sht.10 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	3" STD	SA105N CL.300	-/60°F	5% RT Visual
31971-501-3S1A Sht.11 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	2" XH	SA105N CL.300	-/60°F	5% RT Visual
31971-501-3S1B Sht.12 Rev.0	GAS	655	-20/300°F	1080	WATER	SA106B	1/16	2" XH	SA105N CL.300	-/60°F	5% RT Visual
31971-501-3D1A Sht.13 Rev.0	GAS	1933	-20/350°F	3240	WATER	SA106B	1/16	4" 160	SA105N CL.1500 CL.900	-/60°F	5% RT Visual
31971-501-3D1B Sht.14 Rev.0	GAS	1933	-20/350°F	3240	WATER	SA106B	1/16	2" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-3D1C Sht.15 Rev.0	GAS	1933	-20/350°F	3240	WATER	SA106B	1/16	2" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-2D1A Sht.16 Rev.0	GAS	645	-20/350°F	1081	WATER	SA106B	1/16	6" XH	SA105N CL.600 CL.300	-/60°F	5% RT Visual
31971-501-2D1B Sht.17 Rev.0	GAS	645	-29/350°F	1081	WATER	SA106B	1/16	2" XH	SA105N CL.300	-/60°F	5% RT Visual
31971-501-2D1C Sht.18 Rev.0	GAS	645	-20/350°F	1081	WATER	SA106B	1/16	2" XH	SA105N CL.300	-/60°F	5% RT Visual
31971-501-ACB Sht.20 Rev.0	GAS	1965	-20/300°F	3239	WATER	SA106B	1/16	2" XH 1" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-ACC Sht.21 Rev.0	GAS	1965	-20/300°F	3239	WATER	SA106B	1/16	2" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-ACD Sht.22 Rev.0	GAS	1965	-20/300°F	3239	WATER	SA106B	1/16	2" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-ACE Sht.23 Rev.0	GAS	1965	-20/300°F	3239	WATER	SA106B	1/16	2" XH	SA105N CL.900	-/60°F	5% RT Visual
31971-501-ACF Sht.24 Rev.0	GAS	230	-20/300°F	379	WATER	SA106B	1/16	2" XH	SA105N CL.900 CL.150	-/60°F	5% RT Visual
31971-501-HPVA Sht.32 Rev.0	GAS	215	-20/350°F	360	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
31971-501-HPVB Sht.33 Rev.0	GAS	215	-20/350°F	360	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
31971-501-HPVC Sht.34 Rev.0	GAS	215	-20/350°F	360	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
31971-501-HPVD Sht.35 Rev.0	GAS	215	-20/350°F	360	WATER	SA106B	1/16	2" XH	SA105N CL.150	-/60°F	5% RT Visual
31971-501-HPVE Sht.36 Rev.0	GAS	215	-20/350°F	360	WATER	SA106B	1/16	4" STD	SA105N CL.300 CL.150	-/60°F	5% RT Visual
31971-501-HG- INLET Sht.39 Rev.0	GAS	230	-20/300°F	379	WATER	SA106B	1/16	6" STD	SA105N CL.150	-/60°F	5% RT Visual
SCRUBBER DRAIN V211	GAS	230	300°F	428	WATER	SA106B	1/16	1" 160	SA105N CL.150	-	Visual
SCRUBBER DRAIN V213, V215	GAS	655	300°F	1110	WATER	SA106B	1/16	1" 160	SA105N CL.300	-	Visual
STAGE 1 SUCTION TUBING	GAS	230	300°F	253	Nitrogen	SA106B	1/16	2" XH	SA105N CL.150	-	Visual
STAGE 1, 2 DISCH. TUBING	GAS	645	300°F	710	Nitrogen	-	0	-	-	-	Visual
STAGE 1, 2 DISCH.	GAS	1932	300°F	2125	Nitrogen	-	0	-	-	-	Visual
POST INT. REGULATORS	GAS	35	300°F	38.5	Nitrogen	-	0	-	-	-	Visual
SCRUBBER & SIGHT GLASS DRAINS	GAS	230	300°F	255	Nitrogen	SA106B	1/16	2" XH	SA105N CL.150	-	Visual
FUEL GAS	GAS	150	120°F	165	Nitrogen	SA106B	1/16	1 1/2" XH	SA105N CL.150	-	Visual
INSTRUMENT AIR	AIR	150	120°F	165	Nitrogen	SA106B	1/16	1 1/2" XH	SA105N CL.150	-	Visual

Partial Data Reports certified by sub-contractors are listed below and attached to this Data Report ☐

No.	Line No.	Spool No.	Dwg. No. (with Rev. No.)	Sub-contractor (Name)	AQP No. (if from Alberta)	Expiry (if from Alberta)

Remarks: For partial data report provide information about the code work that was not completed by the subcontractor (e.g., hydrostatic test, PWHT etc.). For final data report provide information about the code work that was not completed by subcontractors and subsequently completed by the primary contractor (e.g., hydrostatic test of entire assembly, PWHT etc.)

Endorse certificate 'A' or 'B'

**A. CERTIFICATE OF COMPLIANCE**

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

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

Date: \_\_\_\_\_ Contractor \_\_\_\_\_

\_\_\_\_\_  
Print Authorized Representative's Name Signature

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

**B. CERTIFICATE OF COMPLIANCE**

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

We certify that the statements in this Data Report are correct and that piping job no. 31971 described in this Data Report was constructed in accordance with the Province of Alberta Safety Codes Act and Regulations, and applicable ASME Piping Code(s).

Date: Dec. 03, 2012 Enerflex Ltd.

\_\_\_\_\_  
Contractor  
Dennis M. Serrano  
Print Authorized Representative's Name Signature

**CERTIFICATE OF INSPECTION**

I, the undersigned, employed by Enerflex Ltd. have verified that all required examination and testing has been completed, and inspected the piping described in this construction data report to the extent necessary to be satisfied that it conforms to all applicable examination requirements of the Code and of the engineering design, and state that, to the best of my knowledge and belief, the contractor has constructed this piping in accordance with the Alberta Safety Codes Act and Regulations. By signing this certificate neither the inspector nor his or her employer makes any warranty, expressed or implied, concerning the piping described in this construction data report. Furthermore, neither the inspector nor his or 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: Nov. 13, 2012 Date: \_\_\_\_\_

Dennis M. Serrano  
Owner's Inspector Name (please print)

\_\_\_\_\_  
ABSA Safety Codes Officer (please print)  
(BOILER EXTERNAL PIPING ONLY)

\_\_\_\_\_  
Owner's Inspector Signature:

\_\_\_\_\_  
ABSA Safety Codes Officer's Signature

Current version of this Form may be obtained from [www.absa.ca](http://www.absa.ca)














**ENERFLEX****PRESSURE PIPING EXAMINATION CHECKLIST (CALGARY)**

Revision: 1

Record Form Number: CAC-QAC-FRM-018

Revised: 18-September-12

		Project Number: 31971	
No.	Function	Signature or Initial and Date	
		Q.C Inspector	Owners Inspector
1	DRAWINGS: Approved for Construction ABSA registration over 0.5 Cu. M.		
2	Owners Inspector notified.		
3	WPS (s) Checked	 DEC 03 2012	
4	Welders qualified	 DEC 03 2012	
5	Material checked against P.O., drawings and specifications. Identification confirmed.	 DEC 03 2012	
6	Sample of each welder's work examined, including root spacing, alignment, cleaning, joint preparation, preheat and electrode control.	 DEC 03 2012	
7	Nondestructive Examination completed. Reports and radiographs reviewed, signed by Level II or III, Radiograph I.D. detailed on drawings.	 DEC 03 2012	
8	Visual Examination of all completed welds. Welders I.D. stamped and recorded on drawings.	 DEC 03 2012	
9	Heat Treatment verified.	 DEC 03 2012	
10	Each system checked against specifications and drawings before test.	 DEC 03 2012	
11	All deficiencies recorded and signed off by QCI and Owners Inspector before test.	 DEC 03 2012	
12	Pressure Test checked. Gauge calibration verified, gauge #'s recorded.	 DEC 03 2012	
13	Construction test data reports (AB-83) prepared and signed by QCI and Owner's Inspector	 DEC 03 2012	