

345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Toll Free: 1.877.682.8772

www.tssa.org

March 08, 2019

SCOTT ISLIP ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6 CA

Service Request Type.: BPV-National ACI Central

Service Request No.: 2454008 Your Reference No.: R-0987

Registered to.: API HEAT TRANSFER

Dear SCOTT ISLIP,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: R4873.59870YTN.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis Administrative Assistant_ BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottelown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-568-3133

Recommendation to Register - Pressure Vessel Design

To: Steve Townsend

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R4873.5

Unit Description	Drawing Number	er Service	Design Code			
Oil Cooler	1510-06-036-024 rev 0	Non Lethal	ASME Sect VIII Div. 1			
Shell S	Side	Tube Side				
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP			
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+20 F @ 150 PSI			

Test Pressure: Hydro: 390 PSI Test Pressure: Hydro: 195 PSI Pneu: Pneu:

Part	Material	Des. t"	Act, t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100			OD": 8.625"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TSheat	SA 616 70	0.0066	0.938	0.125	,,,,			OAL": 40.50"	
Tubes	SB 75 C12200	0.0165	0,018	-	100			W*;	
Head	SA 516 70N		1.250	0,063	100			H":	
		/						HS FT2:	

Notes:

- The relum of this form, bearing the signature and slamp of the Jurisdiction will legally establish the CRN shown on this form.
- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- Details including service conditions will be posted on the 3-'Slient Inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- The form will be a permanent ACIC record.
- To reduce lumaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

<u>Description:</u> OII Cooler, LS-160 (200 HP) ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

ACCEPTED

PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES

C.R.N.

DATE:

INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH

Sect. 2.0-BPV Rev. 1 06/2003

12-14-2018

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Donnie Ehler

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave Buffalo, NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under;

CRN: R4873.5

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-036-024 rev 0	Non Lethal	ASME Sect VIII Div. 1
Shell Side		Tube S	Side

MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI

						manifest the transfer of the second s
-				Tank Danager	11	D
1 7 6	est Pressure: H	AULU. 300 DGI	Pneu:	Test Pressure:	HVULU. 102 DSI	Pneu:
	331 1533016. 11	YUIU. 330 F.31		1 000 1 10000101	117010.133 [0]	

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100	. '		OD": 8.625"	
T.Sheet	SA 516 70	0.6065	0.938	0.125				OAL": 40.50"	
Tubes	SB 75 C12200	0.0165	0.018	; -	100		,	w":	
Head	SA 516 70N		1.250	0.063	100			H":	:
							**************************************	HS FT2:	

Notes:

- 1- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form.
- 2- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

<u>Description:</u> Oil Cooler, LS-160 (200 HP)

ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

Dwg. 1510-08-036-024 Rav. 0

& REGUL

Sect. 2.0-BPV Rev 1 06/2003

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Eben Creaser

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under;

CRN: R4873.5

Unit Description	Drawing Number	Service	Design Code	
Oil Cooler	1510-08-036-024 rev 0	Non Lethal ASME Sect VIII D		
Shell Side	***************************************	Tube	Side	

 MAWP @ TEMP
 MDMT @ MAWP
 MAWP @ TEMP
 MDMT @ MAWP

 300 PSI @ 300 F
 + 20 F @ 300 PSI
 150 PSI @ 300 F
 + 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Pneu: Test Pressure: Hydro: 195 PSI Pneu:

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100			OD": 8.625"	
T.Sheet	SA 516 70	0.6065	0.938	0.125				OAL": 40.50"	
Tubes	SB 75 C12200	0.0165	0.018	-	100			W":	
Head	SA 516 70N		1.250	0.063	100			H":	
								HS FT ² :	

Notes:

- 1- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form.
- 2- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

Description: Oil Cooler, LS-160 (200 HP)

ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature	
Brunswick	
DEPT OF JUSTICE PUBLIC SAFETY	l
BOILER & PRESSURE VESSEL ACT	1
	I
REGISTRATION ONLY	1
CDN R 4873, 57	
CRN \$ 9073.31	1
$\nu \sim$	1
Dem Clina	
CHIEF BOILER INSPECTOR	1
17/11/7019	1
12/14/2010	1

BLRs	Zrvs ·	
FITTINGS	□ NUCLEAR Sector 200 BREBRES 1 06	200

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Stephen Higdon

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave Buffalo, NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R4873.5

Unit Description	Drawing Number	r Service	Design Code				
Oil Coolar	1510-08-036-024 rev 0	Non Lethal	ASME Sect VIII Div. 1				
Shell	Side	Tube Side					
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP				
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI				

Test Pressure: Hydro: 390 PSI Pneu: Test Pressure: Hydro: 195 PSI Pneu:

Part	Material	Des. t"	Act. t'	' CA"	% EF R	T PWHT D	imensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100	Ot)"; 8.625"	The second
T.Sheet	SA 516 70	0.6065	0.938	0.125		1	L": 40.50"	
Tubes	SB 75 C12200	0.0165	0.01B	-	100	W'	:	
Head	SA 516 70N	Married in open many one room of the	1.250	0.063	100	H"		
and the second	1		1	1	(HS	FT ² :	

Notes:

- 1- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form.
- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

Description: Oil Cooler, LS-160 (200 HP)

ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

्र Newforthdland Labrador Service NL

Registered R4873 50

Date 28 DEC 2018

Renistered by

UNDER THE AUTHORITY OF THE PUBLIC SCREETY ACT AND THE BOILER, PROSSURE VESSEL AND COMPRESSED GAS REQULATIONS

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Blair Rawlings

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave Buffalo, NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R4873.5

Unit Description Oil Cooler

Drawing Number 1510-08-036-024 rev 0

Service

Design Code ASME Sect VIII Div. 1

Non Lethal

Tube Side

Shell Side MAWP @ TEMP MDMT @ MAWP 300 PSI @ 300 F + 20 F @ 300 PSI

MAWP @ TEMP

MDMT @ MAWP

150 PSI @ 300 F + 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Pneu:

Test Pressure: Hydro: 195 PSI

Pneu:

Notes

Part	Material	Des. t"	Act. t"	CA"	% EF RT PWHT	Dimensions
Shell	SA 53 B	0.242	0.277	0.063	100	OD": 8.625"
T.Sheet	SA 516 70	0.6065	0.938	0.125	E LOS SELECTIONS OF CHARACTER SELECTION CO. CO. CO.	OAL": 40.50"
Tubes	SB 75 C12200	0.0165	0.018	•	100	W":
Head	SA 516 70N	,	1.250	0.063	100	Η",
		1				HS FT2:

Notes:

- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form.
- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

<u>Description:</u> Oil Cooler, LS-160 (200 HP)
ASME Stamp, National Board Registered

R4873.5Y

This space is for Jurisdictional stamp and signature

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Matthias Malimen

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moneton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R4873.5

Unit Description	Drawing Numb	per Service	Design Code		
Oil Cooler 1510-08-036-024		Non Lethal	ASME Sect VIII Div. 1		
Shel	l Side	Tube Side			
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP		
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI		

Test Pressure: Hydro: 390 PSI	Pneu:	Test Pressure: Hydro: 195 PSI	Pneu:
		. 1	

Part	Material	Des. t"	Act. t"	CA"	% EF	RTPWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100		OD": 8.625"	
T.Shoot	SA 516 70	0.6065	0.938	0.125			OAL": 40.50"	
Tubes	SB 75 C12200	0.0165	0.018	•	100		W":	
Head	SA 516 70N		1.250	0.063	100		H":	
		i			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		HS FT2	

Notes:

- 1- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form,
- 2- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27880

Description: Oil Coolor, LS-160 (200 HP)

ASME Stamp, National Board Registered

Northwest
Territories
REGISTERED

JNDER THE AUTHORITY OF
THE BOILER AND PRESSURE
VESSEL ACT.
C.R.N. 24873.5 L
SIGNED
DATE DEC 181228

Seci. 2.0-BPV Rev 1 06/2003

20 McAulay Court, Charlottetown, PE. C1A 9M7. P.O. Box 53, Charlottetown, PE. C1A 7K1. Phone: 902-566-1975, Fax. 902-566-31-3

Recommendation to Register - Pressure Vessel Design

To: Muhammad Wani

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave. Buffalo NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommond this design be registered in your

CRN: R4873.5 Unit Description Drawing Number Service Design Code Oil Cooler 1510-08-036-024 rev 0 Non Lethal ASME Sect VIII Div 1 Shell Side Tube Side MAWP & TEMP MDMT at MAWP MAWP :: TEMP MDMT :: MAWP 300 PSI @ 300 F + 20 F @ 300 PSI 150 PSI @: 300 F + 20 F @ 150 PSI Test Pressure: Hydro agri psi Test Pressure: Hydro: 195 PSI Pneu:

Part Shell TSheet	Material	Des. t" 0 242 0.6065	Act. t" 0.277 0.938	0 063	% EF	RT	PWHT	OD": 8.625"	Notes
Tubes Head	SB 75 C12200 SA 516 70N	0.0165	0.018 1.250	0 125 - 0.063	100 100			OAL": 40.50" W": H"	
								HS FT*	

Notes:

- The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form,
- 2- A copy of the Design bearing the CRN will be sent to the Manufacturer
- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- Copies of the Design and Specifications are available to AC-C Members on demand
- The form will be a permanent ACIC record
- To reduce turnaround times to a minimum fax your response to 902-566-3133

ACIC LO # 27880

Description: Of Cooler, US-160 (200 HP)

ASME Stamp, National Board Registered

Nunavut	Boilers and Pressure Vessels Act
CRN R48	EGISTERED 373, SN 14, 2018 (Miley A. Chief Inspector
Territori	al Registration Fee