

Certificate of Inspection Permit

GUNNING INVESTMENT RECOVERY SERVICES INC

1276 KINGSLAND ROAD

AIRDRIE, AB
T4A 0A6

Max. Inspection Interval: 1.00 Yr.

Year Built: 2009

CRN: U9214.2

Serial #: 2009-7995-02B

Volume: 0.513 M3

Heating Surface:

Surface Area:

COMPANY CODE:

DESCRIPTION: HORIZONTAL PROPANE ACCUMULATOR

LOCATION: STOCK, AIRDRIE

MANUFACTURER: ALCO GAS & OIL PRODUCTION EQUIPMENT LTD

Pressure Relief Valves

PART	MAX. ALLOWABLE PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	2068 KPA	66 C	-29 C	SV1			TO BE INSTALLED

Terms and Conditions:

Contact the ABSA Safety Codes Officer before placing the vessel/boiler in service.

Vessel/Boiler to be installed in accordance with the Safety Codes Act and Regulations.

Verify that vessel/boiler is protected by an acceptable ASME Code pressure relief device, of adequate capacity, set at no more than maximum pressure authorized and installed in accordance with the Safety Codes Act & Regulations.

Permit Issued by: ZHENG, FRANK

Signature:



NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.

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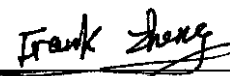
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T4A 0A6

Max. Inspection Interval: Yr.

Year Built: 2009

CRN: U1623.2

Serial #: 0911802-1B

Volume: 0.100 M3

Heating Surface: 1.00 M2

Surface Area:

COMPANY CODE:

DESCRIPTION: AIR COOLER

LOCATION: STOCK, CALGARY

MANUFACTURER: AIR COOLED EXCHANGERS, LLC

Pressure Relief Valves

PART	MAX. ALLOWABLE PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	2068 KPA	93 C	-29 C	SV1			TO BE INSTALLED

Terms and Conditions:

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB06-001 (g)
AIR COOLED OR PLATE TYPE HEAT EXCHANGERS;

Owner to establish and maintain an integrity assessment program for this pressure equipment.

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LOCATION: STOCK, CALGARY

MANUFACTURER: AIR COOLED EXCHANGERS, LLC

Max. Inspection Interval: Yr.

Year Built: 2009

CRN: U1623.2

Serial #: 0911801-1B

Volume: 0.100 M3

Heating Surface: 1.00 M2

Surface Area:

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					SETTING	CAPACITY	LOCATION
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Serial #: 0911802-1A

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AIR COOLED EXCHANGERS, LLC

1201 S 9TH - BROKEN ARROW, OKLAHOMA 74012

Ph (918) 251-7477

Fax (918) 258-1833

E-MAIL: SALES@ACE-COOLERS.NET

COOLER PERFORMANCE SPECIFICATION

CUSTOMER	ALCO	PROPOSAL NUMBER	4522DS
REFERENCE	PLANT 1	DATE	4/30/2009
MODEL	E54-8	PAGE	1

PERFORMANCE OF ONE UNIT

SERVICE	A800	A810
FLOW	2299.00#/HR	841.0#/HR
FLUID	1.52	PRODUCT
TEMPERATURE IN, F	113.0	201.7
TEMPERATURE OUT, F	110.0	120.0
INLET PRESSURE, PSIG	201.0	198.5
PRESSURE DROP, PSI	0.3	0.5
DUTY, BTU/HOUR	338295	44000
CORRECTED MTD	15.7	55.6
BARE TUBE RATE	120.0	62.4
FOULING	0.00100	0.00100
BARE SURFACE, SQ. FT.	180	13
TOTAL SURFACE SQ. FT.	2863	202

CONSTRUCTION

NO. SECTIONS	1	1
NO. TUBES/SECTION	142	10
LENGTH	8.0	8.0
NO. ROWS	4	3
NO. PASSES	4	4
COUNTERFLOW	YES	
TUBE O.D. AND BWG	625X16BWG	625X16BWG
TUBE MATERIAL	SA214(WLD)	SA214(WLD)
DESIGN PRESSURE, PSI	300	400
DESIGN TEMPERATURE, F	200/-20	300/-20
NOZZLES-INLET	2-300RF	1-300RF
NOZZLES-OUTLET	2-300RF	1-300RF
HEADER TYPE	BOX W/PLUGS	BOX W/PLUGS
HEADER MATERIAL	SA-516-70	SA-516-70
ASME CODE STAMP	YES W/NB	YES W/NB
GROOVED TUBE SHEET	YES	YES
CORROSION ALLOWANCE	0.063	0.063
PLUGS, TYPE	SHOULDER	SHOULDER
PLUGS, MATERIAL	SA-105	SA-105
TURBULATORS		
ACCELERATORS		
LOUVERS		
STRESS RELIEVE	NO	NO
NDE	BUTT WELDS	BUTT WELDS
ADDITIONAL CODES		
CANADIAN REGISTRATION	AB	AB
ADDITIONAL COUPLINGS		
BYPASS NOZZLE		
FINs	HYPERF L-FOOT	HYPERF L-FOOT

AIR DATA

INLET AIR, F	90.0	ELEVATION, FT.	3000
OUTLET AIR, F	101.2	TOTAL SCFM	31446

MECHANICALEQUIPMENT

NO FANS	1	HP/FAN	12.9	RPM	849	DIA	54
FAN	MOORE SERIES 24	FAN MATERIAL	ALUM	NUMBER OF BLADES	3	PITCH	15 DEGREES
V-Belt Drive By (1) 15 HP 1800 RPM 460/3/60 TEFC ELECTRIC MOTOR							
DRAFT TYPE	FORCED						
EST SHIPPING WEIGHT	4967	WIDTH	5.5	LENGTH	8.9	HEIGHT	7.1
ACCESSORIES	Hailguard Bugscreen. MURPHY(VS-2-EX) XP VIBRATION SWITCH						
FINISH ACE std prep w/ one coat ACE std primer							