

**INFORM OPERATOR WHEN WORK IS COMPLETED AND
NOTIFY OF ANY CHANGES MADE**

Date: Jan 12/12

Arrival Time:

Departure Time:

Location Data	Location: 7-33-49-lw4	Route # 46
	Operator: Brad	Phone # 205-3111
	Vendor: AFire	Work Order # 5399437

Burner Data	Burner running on arrival Yes ☒ No ☐		System B149 Compliant Yes ☒ No ☐	
	Fuel Used: Propane	Pressure: 3 PSI	Thermowell Location: In hot box	
	Burner Type: AFire	Size: 1.5	Burner Nozzle Type: AFire	
	Burner Length: Std	Length Required: std		
	Temperature Control: Dan Foss ☐ Profire ☒ Setting: 80	Level Transmitter Locked: Yes ☒ No ☐		
	Flame Arrestor Size: 15"	Dry Block Test: Yes ☒ No ☐		

Vessel/System Data	Tank Make: Universal	Tank Size: 750 ☐ 1000 ☒	Serial # 021084-3
	Fluid Level: 7.4m3	Fluid Temperature: 78 °C	Stack Thermometer: Yes ☒ No ☐
	Tube Size: 10"	Stack Size: 8"	U-Tube ☒ Straight Tube ☐ Stack Cap: Yes ☐ No ☒
	Tube Condition: Sooty, needs cleaning ☐ Good ☒		Tube Distortion: Yes ☐ No ☒
	Klinker Suspected: Yes ☐ No ☒	Flame Impingement: Yes ☐ No ☒	

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Check List	Yes	No
Clean Flame Arrestor	☒	☐
Clean Scrape Tube	☒	☐
Test for Gas Leaks	☒	☐
Repair Gas Leaks	☐	☒
Test Line Regulator	☒	☐
Set Regulator Pressure	☐	☒
Clean Burner	☒	☐
Center Burner	☒	☐
Flame Impingement	☐	☒
Equalize Skin Temperatures	☒	☐
Install Stack Thermometer	☐	☒
Replace Stack Thermometer	☐	☒
Install Pressure Gauge	☐	☒
Replace Pressure Gauge	☐	☒
Analyze Combustion	☒	☐

Pro-Fire Controller Settings	
HH1	85
HH2	90
PU	77
ded	4
PASS WORD MUST BE TURNED ON	

Flash Back Test	Pass ☒	Fail ☐
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Pre Tube Temperature
Skin Temperature – Highest Recorded

Post Tube Temperature
Skin Temperature – Highest Recorded

158 °C

141 °C

129 °C

169 °C

115 °C

126 °C

143 °C

129 °C

P

After

Time: 11:55:50 PM
Date: 02/11/12

Fuel
NGAS

O ₂	4.3 %
CO	291 ppm
Eff	73.1 %
CO ₂	9.4 %
T-STK	355 °C
T-AIR	-5.0 °C
EA	22.8 %
CO (12)	156 ppm
NO	ppm
NO ₂	ppm
NO _x	ppm
SO ₂	ppm
NO (0)	ppm
NO ₂ (0)	ppm
NO _x (0)	ppm
SO ₂ (0)	ppm

F

Before

Time: 11
Date: 02/11/12

Fuel
NGAS

O ₂	4.4 %
CO	119 ppm
Eff	65.0 %
CO ₂	9.3 %
T-STK	523 °C
T-AIR	0.8 °C
EA	23.8 %
CO (12)	64 ppm
NO	ppm
NO ₂	ppm
NO _x	ppm
SO ₂	ppm
NO (0)	ppm
NO ₂ (0)	ppm
NO _x (0)	ppm
SO ₂ (0)	ppm

Comments: Level transmitter already heat traced did not have to do

Annual Flame Arrestor Preventative Maintenance Inspection Checklist

Date: Jan 12/12

LSD: 7-33-44/04 Work Order #: _____

Work Permit #: 123365

Equipment Description:

Identify what the flame arrestor is located on: tank, treater, flare, pipeline, etc.

Equipment: Tank Heater

Make: Universal

Model: —

Size: 1000 BBL

Serial #: 021084-3

A# / CRN: —

Inventory/Barcode#: —

Flame Arrestor:

Make: Guest

Model: —

Size: 15"

Serial #: N/A
Fill in all applicable.

Inspection:

Cleaning required (debris / build up of oil etc in element):

If YES, cleaning method: Air

Element winding and support structure in good condition:

If NO, element replaced:

Sealing surfaces in good condition:

Gaskets in good condition:

☒ YES ☐ NO

☒ YES ☐ NO

☒ YES ☐ NO

☒ YES ☐ NO

☒ YES ☐ NO

Inspection Results / Parts Replaced:

Post Reassembly Checks:

Bolts (fastening devices) are all in place & secure:

Site Glass

- In place
- In good condition (no cracks)

☒ YES ☐ NO

☒ YES ☐ NO

☒ YES ☐ NO

Testing:

Firebox flame arrestor test performed at this time:

IF YES, flame arrestor passed test:

If NO,

Flame arrestor replaced

Flame arrestor repaired

☒ YES ☐ NO

☒ YES ☐ NO

☐ YES ☐ NO

☐ YES ☐ NO

Repairs Performed / Parts Replaced:

Maintenance Technician Name: Maverick + Brad

Maintenance Technician Signature: [Signature]

Phone Number: 780 875 0672

THIS CHECKLIST AND 3RD PARTY REPORTS MUST BE STORED IN HDMS