

Inspection Report

Customer: USUI International
3824 Cook Boulevard
Chesapeake, VA 23323
Contact: Vishal Shah
Phone: 757-558-7300
Email: vishalshah@usui.co.jp

Date: 12/1/11

Project #: Inspection
Sales Order #:
Serial #:
Model #:

OE Crew: Bill Boisvert, Josh Remington

SCOPE OF PROJECT: Installation – (Service) – Warranty – Demo – Delivery – Engineering

An inspection of all 10 rotating disk units and both Absolent ODF-2000's was performed on 11/30/11, with the following results:

1. ODF-2000 (#1) – Found the unit fan rotation be to backwards – Corrected
 - a. No Motor Starter/Overload Assemble
2. ODF-2000 (#2)
 - a. Found motor to be Bad
 - b. At least one leg was shorted to ground and another lag was open.
 - c. No Motor Starter/Overload Assemble
3. Rotary Disk Unit #3
 - a. Motor is bad
 - b. Disk Pack is damaged (Fan seal had come out)
 - c. No Motor Starter/Overload Assemble
4. Rotary Disk Unit #10
 - a. Motor is not wired, and appears to have never been wired. Should be OK
 - b. Disk pack is missing the fan seal.
 - c. No Motor Starter/Overload Assemble
5. Rotary Disk Unit #A
 - a. Motor is bad
 - b. Disk Pack is OK – Unit can be Repaired
 - c. No Motor Starter/Overload Assemble
6. Rotary Disk Unit #B
 - a. Motor is bad
 - b. Disk Pack is OK – Unit can be Repaired
 - c. No Motor Starter/Overload Assemble
7. Rotary Disk Unit #6
 - a. Motor is bad
 - b. Disk Pack is bad.
 - c. No Motor Starter/Overload Assemble

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8. Rotary Disk Unit #7
 - a. Motor is bad
 - b. Disk Pack is bad.
 - c. No Motor Starter/Overload Assemble
9. Rotary Disk Unit #8
 - a. Motor is bad
 - b. Disk Pack is bad.
 - c. No Motor Starter/Overload Assemble
10. Rotary Disk Unit #9
 - a. Motor is OK
 - b. Disk Pack ids OK
 - c. Left Running
 - d. No Motor Starter/Overload Assemble
11. Rotary Disk Unit #8A
 - a. Motor is bad
 - b. Disk Pack is OK – Unit can be Repaired
 - c. No Motor Starter/Overload Assemble
12. Rotary Disk Unit #8B
 - a. Motor is bad
 - b. Disk Pack OK – Unit can be Repaired
 - c. No Motor Starter/Overload Assemble

Work to be done:

1. Need 1 Absolent Motor – 3 hp (\$402.00)
2. Need 3, Baldor motors for the Rotary Disk units that can be repaired. (\$700.00 ea.)
 - a. We have 1 motor from your old unit that is still good.
 - b. These units are now obsolete and the disk packs are no longer available.
3. Need to install Manual Starter/Overloads at the useable units (7 at \$385.00 each)
 - a. This is to protect the motor in case of dropping of a phase. Maintenance stated that you had a phase drop a couple of weeks back. Without overload protection the motors try to run, they do not trip. The 15 amp fuses in the disconnects there to high to keep the motors from burning up. This is reason that so many of the motors are bad. By using a manual starter/overload, the starter can be placed at the units and you will still be able to start and stop the units at the disconnect down below.
4. Two days labor to change motors and add motor starters.

Summary:

Labor/Costs:	\$3,000.00
Motor Starts:	\$2,695.00
Absolent Motor:	\$402.00
Disk Pack Motors:	\$1,400.00
HEPA Filters (5)	\$1,450.00
Total:	\$8,702.00 plus Tax.

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Labor cost is different from the quote that was provided by Mr. Ed Sithes. This is due to the fact that the quote was for service and this is for repair/rework and needs two Techs'.

Disconnect Inspection:

1. Box #7 – "B" phase dead
2. Box #8 – "B" phase dead
3. Box #9 – Not Used – Removed all fuses
4. Box #10 – Replaced Fuses "A" & "C" (blow more new fuses when tried to start unit)
5. Box #6 "B" phase dead
6. Box #5 "B" phase is dead, replaced fuses "A" & "C"
7. Box #90 Replaced all fuses
8. Box #89 All fuses still bad

Regards

A handwritten signature in black ink that reads "Bill Boisvert" with a stylized flourish at the end.

Bill Boisvert - Cell (919) 971-3910 – Office (919) 570-2862 X219
Project Manager – Avani Environmental Intl.
E-mail bboisvert@avanienvironmental.com

USUI International General Mist Collector Layout

□ DDF-2000
M2010126

□ #2

□ #3 □ #10

□ B □ A

□ DDF-2000

□ #1

□ #9

□ #8

□ #7

□ #6

□ #8A

□ #8B

Avani Environmental Intl.
95 Cypress Drive 27596
Youngsville, NC
Ph: 919-570-2862 F# 919-570-2863

Avani

Project: USUI Inspection

Drawing: Unit Layout

Date: 12/1/11 Drawn by: WWB

Sheet No: 1 of 1 Rev.: 0