



**Final Project Report:**  
09/04/13

**Fin Fan Cleaning**  
**Fin Fan Cleaning on K705-K708 & E-724**

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## 1.0 EXECUTIVE SUMMARY

IAS is providing this Final Project Report as a way to demonstrate the complete success of the job by outlining the primary objects and scope of the job; the methodology used in performing the job; and the key benefits provided to Customer.

## 2.0 INTRODUCTION

IAS was requested to perform foam cleaning on Fin Fans K705-K708 and E-724 at customer's location in N. America. Using IAS's proprietary chemical cleaning methods, IAS removed contamination from K705-K708 & E-724 returning it to excellent condition using Environmental Conscious methods.

## 3.0 PRIMARY OBJECTIVES

- IAS's objective was to restore contamination (Dirt/Debris) levels back to customer's requirements.
- System cleanliness was to be verified by visual inspection of the Fin Fans and witnessed by a customer representative.

## 4.0 PROJECT SCOPE

- IAS provided their tools, equipment and manpower required for every aspect of the job.
- IAS performed all necessary connections and disconnections for job scope.
- IAS provided real time onsite verification through visual inspection of Fin Fans.

## 5.0 METHODOLOGY

IAS chose to use a four stage process in order to maximize the effectiveness of their cleaning methods for superior results. The first stage required foaming of the system from a man lift. The Second stage was rinsing of the system. The Third stage was foaming of the system for a second time. The Fourth stage was a final rinse to ensure system was free of contamination.

## 6.0 KEY BENEFITS

- Extended life of the systems
- Decrease Temperature
- Improve efficiency
- Ensured system cleanliness
- Minimization of future maintenance and repair costs

## 7.0 EQUIPMENT SET UP





**8.0 PROJECT RESULTS:**

Critical Equipment Decontamination:

Initial Fin Fan as found



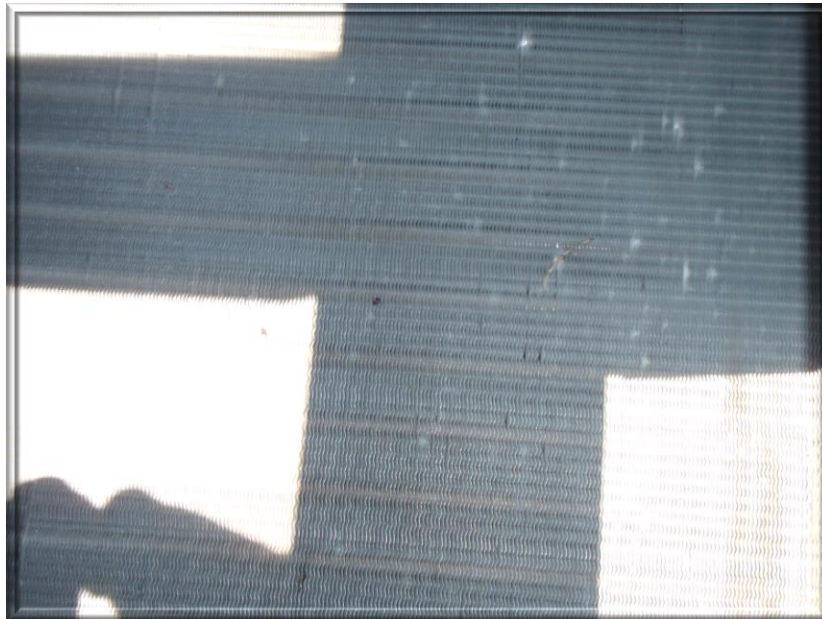
Clean Fin Fan



E-724 as Found



E-724 After Cleaning



Contaminants Captured in Filter Bag, Example of Contamination in Fin Fans



Contaminants as Found Coming off Fin Fan



Before & After of Foaming/Rinsing



## 9.0 CONCLUSION

The project was concluded to the specification of customer. The solid contamination and debris was successfully removed from systems K705-K708 & E-724. The systems were successfully cleaned to the satisfaction of customer. IAS also filtered the Effluent captured in our Environmental Conscious process. This verified the type of contaminant present in customer's system. All final inspections and visuals by customer met with their approval.

IAS would like to thank customer for this and every opportunity to partner with you. IAS appreciates your business and looks forward to many opportunities for business in the future.

Respectfully submitted by:

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