

Subject: FW: ECD-SRT12, 34 under airflow-Updated

From: Anderson, Gary

Sent: Friday, June 17, 2016 11:19 AM

To: Lindgren, Jim <JLindgren@micrometl.com>

Subject: ECD-SRT12, 34 under airflow-Updated

The ECD-SRT12 in **RTU 48HCDA06A** and ECD-SRT34 in **RTU 48TCFD09A** were cycled for a minimum of 60,000 cycles in their respective RTUs while under airflow. **The static pressure was OA (0.2") and RA (0.5") for both units.**

Both units were observed daily, excluding weekends, and fully opened and closed.

ECD-SRT12 was shut down 6-12-16 at 9:25A at 60,520 cycles after one full cycle was observed prior to shutting the RTU down. No issues were observed.

ECD-SRT34 was shut down 6-14-16 at 11:35A at 60,480 cycles after one full cycle was observed prior to shutting the RTU down. No issues were observed.

The economizers were removed from their respective RTUs and inspected. The following is what was observed from the inspection.

- There is some brown/black dust along the end seals, on the blades and on the bottom flange under the gears (both economizers), similar to the results from test not under airflow.
- The economizers were overall very dusty, dirty after the 60,000 cycles (both economizers), which is to be expected since the testing took 2-3 months.

After the 60,000 cycles, each economizer was tested with a torque wrench with and without airflow. The torque difference for each economizer was negligible.

When available, both economizers will be leakage tested to evaluate the leakage difference before and after the 60,000 cycle test.

Thanks,

Gary Anderson

Engineering Manager

MicroMetl Corporation

3035 N. Shadeland Ave. Ste. 300

Indianapolis, IN 46226

800.662.4822

317.524.5454

ganderson@micrometl.com

