



UTTER PRECISION, INC.

The Next Generation in Reliability

PO BOX 337 UTICA, NE 68456

402-534-3513 INFO@UPIVIB.COM

F711 Dryer Burner Fan Balance Report

On January 8, 2010, I performed a field balance of the F711 Fan. Vibration Analysis was taken before and after the balance to insure no other issues were present on the unit.

Below are the balance results. As show the initial imbalance was over 3.0 in/sec. The fan was left with a balance level of 0.064 in/sec. The vibration graph on the preceding page shows the change in the levels of all 3 vibration planes. Please check the final vibration analysis and the additional repair recommendations on the preceding page.

Machine Speed: 1055 RPM / 17.58 Hz

Single Plane Balance

Velocity (in/s 0-pk)

Weight Locations: 6 blades

	Magnitude/ Mass	Angle
Initial Reading	3.095 in/s 0-pk	190 deg
Trial Weight	180.00 grams	180 deg (#4)
Trial Reading	3.256 in/s 0-pk	127 deg
Primary Balance - #1		
Add	145 grams	#3 blade
Trim Balance - #2		
Add	70 grams	#2 blade
Final Reading	0.064 in/s 0-pk	225 deg



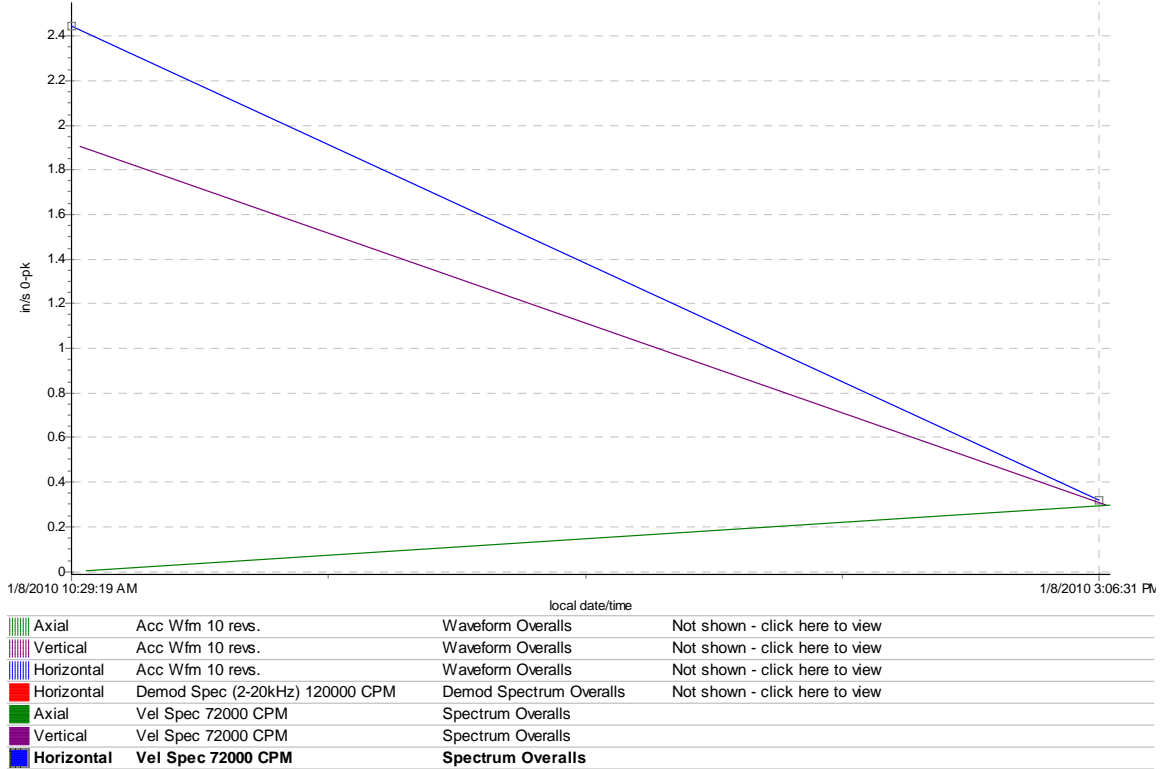
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F711 Dryer Fan - Fan DE



Vibration Analysis

The sheave side fan bearing still shows indications of the eccentric fan sheave present. Visibly the sheave also shows a “wobble.” Perform run-out on the fan sheave both in axial and radial directions at the next available down period. The maximum run-out for the machine speed should not exceed 1 mil per inch of sheave diameter. If the run-out exceeds these specifications or tighter if prescribed by the manufacturer; the sheave should be changed.

Thank you for this opportunity assist you with your maintenance program improving your profits, safety, and potential. If there you have any questions concerning the balance or vibration analysis, please call or email. I look forward to working with you again!

Godspeed!
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