



**QualiTest® Diagnostics**

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St. Jude Research Hospital  
Memphis, TN

The following is a summary of findings from the semi-annual AHU vibration survey at B/L, TRB, and TRB (new) buildings.

**QualiTest®** uses a four step rating system for defects.

**Class I:** Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

**Class II:** Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

**Class III:** Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

**Class IV:** Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

**Hi-Speed Industrial Service** tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

## B/L

### AHU 1

Motor drive end bearing data still shows some signs of bearing wear/defects present. Drive end fan bearing is also showing signs of defects/wear. Inspect motor and fan bearings for defects and wear as scheduling allows. Rated as a **CLASS II** defect.

### AHU 2

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 3

All vibration data is within acceptable limits. No action recommended at this time.

## TRB

### AHU 1-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 2-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 3-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 4-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 5-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 6-1

All vibration data is within acceptable limits. No action recommended at this time.

## TRB (new)

### AHU 1-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 1-2

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 1-3

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 1-1

All vibration data is within acceptable limits. No action recommended at this time.

### AHU 2-1

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 3-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 4-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 5-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 6-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 7-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 8-1**

All vibration data is within acceptable limits. No action recommended at this time.

**AHU 9-1**

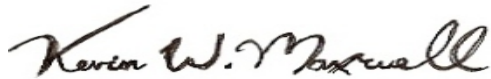
All vibration data is within acceptable limits. No action recommended at this time.

**AHU10-1**

All vibration data is within acceptable limits. No action recommended at this time.

As always, it has been a pleasure to serve St. Jude Research Hospital. If there are any comments or questions, do not hesitate to contact us.

Sincerely,



ISO Certified Vibration Analyst, Category III



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