

1 Q. Re: 2013 Capital Projects 200,000 and Over but less than 500,000:
2 Explanations, pages D-161 through D-167 Install Online Vibration Monitoring
3 System:

4 What is the cause of the imbalance found in Bearings 4, 5 and 6?
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6

7 A. The cause of the imbalance found in bearings 4, 5 and 6 was due to:

- 8 • misalignment of the main coupling between the 50 Hz and 60 Hz rotating
9 units;
- 10 • an imbalance of the machine; and
- 11 • a non uniform air gap on both the 50 and 60 Hz sides.
12

13 After the machine was further aligned, balanced and the air gaps improved, the
14 vibration levels were reduced acceptable levels.