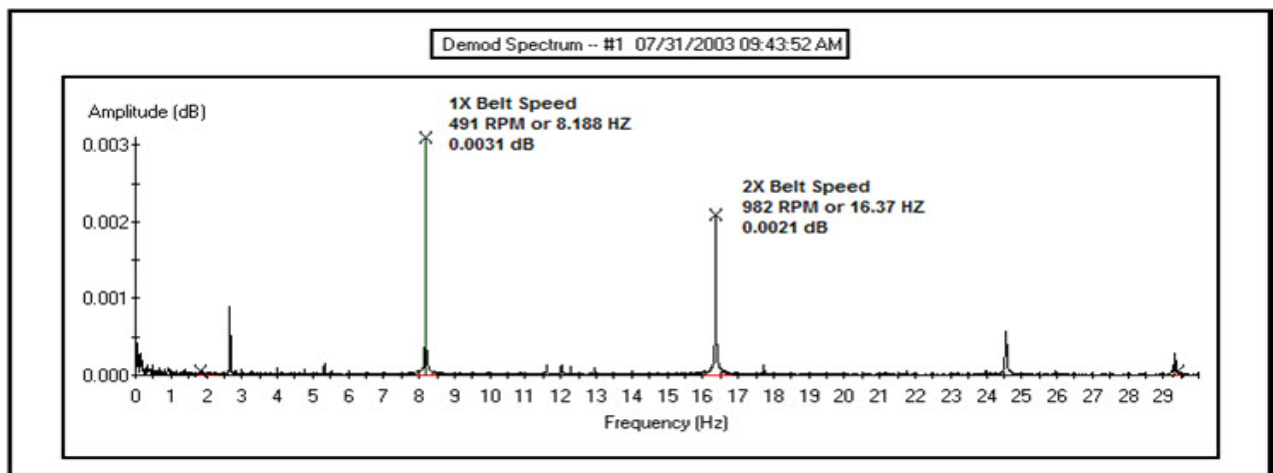


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Tracking Belt Frequency with Current Demodulation

A very reliable source of tracking belt related anomalies is through current demodulation. Through advanced mathematics and specialized filtering the fundamental line frequency is stripped from the acquired signal leaving normally hidden frequencies exposed. One of these exposed frequencies is belt frequency. Establishing a baseline peak and band alarm will alert you to increases in belt frequency amplitude indicating possible belt or pulley problems like looseness, belt defects, and pulley imbalance.



To follow a discussion on belt frequency analysis join the PdMA User Group on LinkedIn:
<http://www.linkedin.com/groups?mostPopular=&gid=2796640>

You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it!
Contact Lou at 813-621-6463 ext. 126 or lou@pdma.com.