

Dastastick® PDA-Based Vibration Spectrum Analyzers Enable Cost-Saving Synergies for Plant Maintenance and Vibration Consultants

Many companies no longer have highly paid vibration analysts on the payroll, but increasingly rely on outside consultants—or simply do without vibration analysis. As a result, machine reliability suffers and consultants frequently have to cover the same duties as when they were employees, but in less time, and often in “crisis mode.”

To increase efficiency, consultants are turning to Datastick VSA-1214 and VSA-1215 Vibration Spectrum Analyzers.

Datastick VSA handhelds enable maintenance personnel and vibration consultants to work together easily and economically. The VSA's simple operation and its Microsoft Excel-based PC software make such cooperation feasible.

Maintenance people can be easily trained to collect vibration data with the handheld VSA. The data is then transferred to a PC running Datastick Reporting System™ software, where machine histories are created in a familiar Excel-based environment. If the trend shows that a problem is becoming more severe, or if a new problem develops, a report—or even the entire Excel file—can be emailed to the consultant, who can diagnose from his home base, without having to worry about the scheduling complications and cost of a trip to the site.

Consultants and their clients are being supported by Derek Norfield, formerly an independent vibration analyst and balancing consultant and now Datastick's new Director of Applications. One of Derek's projects is delivering training in vibra-



Datastick VSA-1215 Vibration Spectrum Analyzer

tion, especially for those new to vibration analysis in PdM. The training includes data collection, analysis, and guidance for maintenance personnel in deciding when to call in a vibration consultant.

“Datastick's new VSA systems are so easy to use that they are enabling many companies to introduce—and in some cases reinstate—vibration analysis to their maintenance and reliability programs,” Derek said. “The VSA makes data collection simple

enough that relatively untrained people can get reliable data. It is the variety and complexity of machinery that makes diagnosis the hard part. That's where the consultant comes in. As an analogy, it's now possible for anyone to use a low-cost blood-pressure monitor to get an accurate reading at home, but you still need a doctor to tell you what it means. For machinery, the consultant is the doctor. With the VSA, the ‘doctor’ doesn't have to make house calls, and that saves significant time and money for everyone.”

Datastick Systems, Inc., develops handheld test and measurement solutions that use PDAs as the basis of the instrument. Its VSA-1214 and VSA-1215 Vibration Spectrum Analyzers are its latest systems for condition monitoring in PdM.



Toll-free in USA: 1 888 277 5153

Tel: 408 871 3300

www.datastick.com

Email: findout@datastick.com

© 2007 Datastick Systems Inc. Patents pending. Datastick is a registered trademark and VSA and Datastick Reporting System are trademarks of Datastick Systems, Inc.