

Vibration Analysis

Services

Vibration monitoring and analysis is a critical measure of your rotating equipment's mechanical health and reliability. As part of our service offering to the industrial market, we offer custom tailored programs using state-of-the-art vibration analysis equipment and highly trained and experienced technical staff. These services are available as a stand alone service program in order to help you **to meet your plant reliability objectives**, to meet your **ISO/QS 9000 requirements**, or to assist you in troubleshooting and resolving current plant problems. Vibration Analysis is also a critical component of our **Predictive/Preventative Maintenance** and **Motor Reliability** programs.

Let us help you take the guesswork out of your machinery maintenance with our Predictive Maintenance and On Site Services programs!



Xyz Company Inc. General Plant				TEST DATE
EQUIP #	DESIGNATION	MOTOR	DRVN	COMMENTS
EA1	CIRC. PUMP 1 20HP/1780RPM	4	2	Pump bearings continue to show upward trend - repair pump (replace bearings) at first available opportunity.
EA2	CIRC. PUMP 2 20HP/1780RPM	4	4	
EA3	CIRC. PUMP 3 15HP/1765RPM	4	4	
EA4	AIR EXHAUST 1 50HP/1175RPM	2	1	Continued high vibration due to misalignment. Fan bearings are failing - REPAIR IMMEDIATELY!
EA5	AIR EXHAUST 2 50HP/1175RPM	4	4	
EA6	AIR EXHAUST 3 75HP/1180RPM	NR	NR	Equipment shut down for repair.
EA7	AIR EXHAUST 4 75HP/1180RPM	4	4	
EA8	AIR EXHAUST 5 25HP/3550RPM	3	3	Some early signs of mechanical looseness - continue to monitor.
EA9	N. COMPRESSOR 75HP/1775RPM	4	4	
EA10	S. COMPRESSOR 75HP/1775RPM	4	4	
EA11	HYD. POWERPACK 20HP/1170RPM	4	4	

Repair Priority Codes	
Requires Immediate Attention	1
Requires Corrective Action	2
Monitor Closely - Developing Problem	3
OK - Continue to Monitor	4
Machine Not Running	NR

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The key to our programs is the **effective communication of information**. Our reports are focused on giving the information required to **make informed decisions** without needing to sift through pages of data. A clear, simple and consistent report format is used which is easily customized based upon specific requirements.

Achieve Maximum Plant Uptime ♦ Improve Worker Safety
Reduce Maintenance Costs ♦ Minimize Unscheduled Downtime
Improve Plant Reliability

VIBRATION ANALYSIS



Applications

AC Motors

DC Motors

Bearings

Pumps

Fans

Compressors

Gearboxes

Servomotors

Mixers

Rollers

Hydraulics

Cranes

and more

Magneto Electric

Service Company Limited - Since 1946

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