

Vibration Analysis Sample Survey at

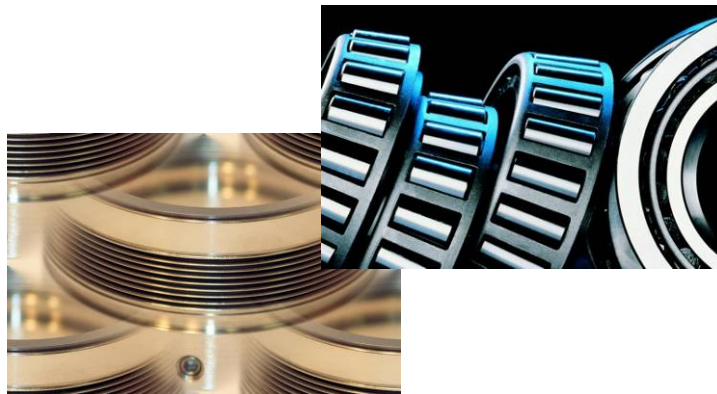
ABC Company

Weekly Monitored Items

29 January 2008

By

Justin Griggs



Pumptec Diagnostics
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	Vibration Analysis Of ABC Company	Date: 29 January 2008
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Inspection Site Information	
Customer	ABC Company
Address	123 High Road
Contact person	A.Nother
E-mail address	A.Nother@Work.com
Vibration Analysis Engineer	Justin Griggs

INFORMATION

Report Contents

1. SPECIFICATION
2. FAULT CODES
3. SUMMARY OF INSPECTION
4. MACHINE CONDITION REPORT

Note: The machine condition report contains a description of the fault along with a Trend & Spectrum Plot to support the analysis.

Note: When looking at the Equipment register pages

Train = Plant room where the equipment is located (e.g. Stage 5),

Machine = Name of the item (e.g. CHW Pumps)

Unit = Individual item number (e.g. Pump No1)

Scope

This report contains fault diagnosis with recommendations for corrective actions; this is all supported by spectrum plots for each piece of plant identified as being defective. We employ a coding system, which makes it easy to understand the criticality of the fault and how quickly it needs to be investigated.

Measurements:

An overall vibration reading measured in mm/s, used to determine general mechanical and electrical faults within rotating machinery. A filtered g's vibration reading is also taken at ultrasonic frequencies to detect bearing defects before the impacts become audible to the human ear.

Equipment Used:

Entek Enpac 1200A, with Handheld Magnetic Probe and Odyssey Deluxe Software.

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Summary of Inspection Page 1 of 1

5	ABC ACTION	Codes			
5	CAUTION / PES ACTION	Red (1)	Danger	Yellow (5)	Advisory
HEALTHY		Red (2)	Critical	Green (6)	Good
X	NOT MONITORED	Red (3)	Warning		
O	NOT SCHEDULED	Red (4)	Alert		

		Monitoring Schedule											
		01	08	15	22	26	06	13	21	04	11	18	25
Day Month Year		11	11	11	11	11	12	12	12	01	01	01	01
		07	07	07	07	07	07	07	07	08	08	08	08
Plant 1													
	Item 1	5		5	5		5	5	5		5	5	
	Item 2		5		5	5	5	5	5		5		
	Item 3												
	Item 4				5	5	5	4	2	5			5
	Item 5			5	5		5				5	5	5
	Item 6												
	Item 7								5	5		5	
	Item 8					5	5	5		5			5
	Item 9												
	Item 10					5	5						
	Item 11	5				5	5	5	5		5	5	5
	Item 12					5						5	
	Item 13								5				
	Item 14												
	Item 15						5	5			4	3	
	Item 16			4	4								
	Item 17								5	5			
	Item 18												
	Item 19						5						
	Item 20												
	Item 21												
	Item 22	5	5	5	5						5	5	5
	Item 23												

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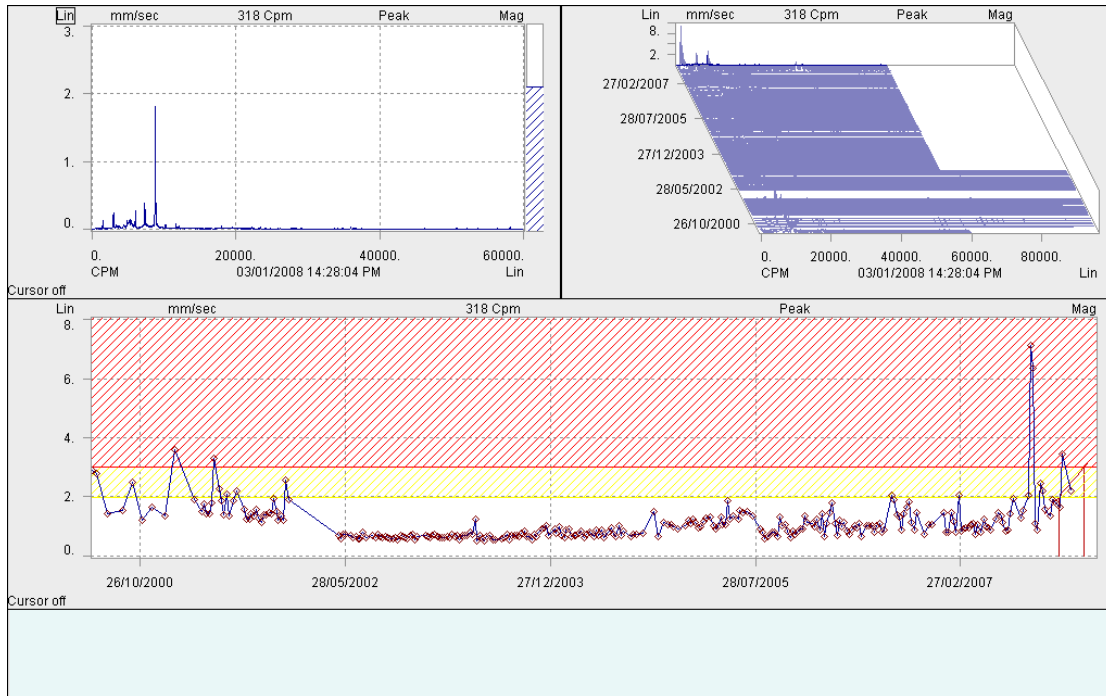
Vibration Analysis
Of
ABC Company

Date:
29 January 2008

Machine Condition Report

Graph and Identification

Location	Plant 1
Unit	Item 14
Position	Pump Non-Drive End
Direction	Horizontal
Fault Code	RED(3)



Analysis & Recommended action:

There is a large amount of vibration coming from the Pump NDE at rotating speed, This Vibration is increasing. This is due to the bearings starting to fail. It is currently recommended to change the Pump Bearings for new.

Inspected by: Justin Griggs

Date: 29 January 2008

Repaired by: Date:.....

Comments:.....
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