Rapport de diagnostic Fluke 810

Le testeur de vibrations Fluke 810 permet de vérifier plus facilement l'état des machines avec le logiciel Viewer. Le logiciel Viewer inclus vous permet de générer rapidement des rapports au format PDF qui comprennent les informations de configuration et de diagnostic du train d'entraînement ainsi que du spectre de sauvegarde. Le logiciel vous permet aussi d'enrichir les informations en téléchargeant des images de vos machines (aux formats .JPG ou Fluke .IS2).

Ce document est un exemple de rapport de diagnostic Fluke 810. L'apparence du rapport dépend des données enregistrées et des images insérées. Pour en savoir plus, rendez-vous sur www.fluke.com/viewer-software ou envoyez un courriel à vibration@fluke.com.

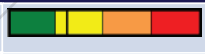
Date:10/12/2010 5:50 PM

810 Vibration Tester Diagnostic Report

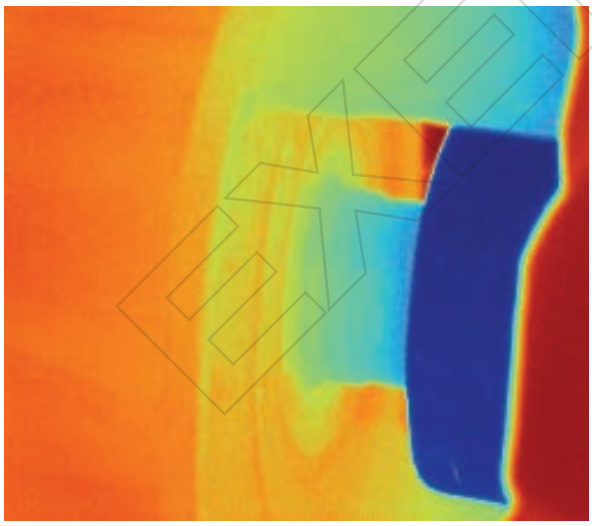
Device Serial Number : VibrationTester1
Machine Setup Name : USCC
Measurement Date/Time : 05/18/2010 11:48:10

Drive Train

Diagnosis

Fault description	Fault severity	Severity Score	Severity Scale
Pump Free End Ball Bearing Wear	Moderate	31/100	
Pump Drive End Ball Bearing Wear	Moderate	30/100	
Pump Drive End Looseness Or Bearing Clearance Problem	Slight	8/100	

Image

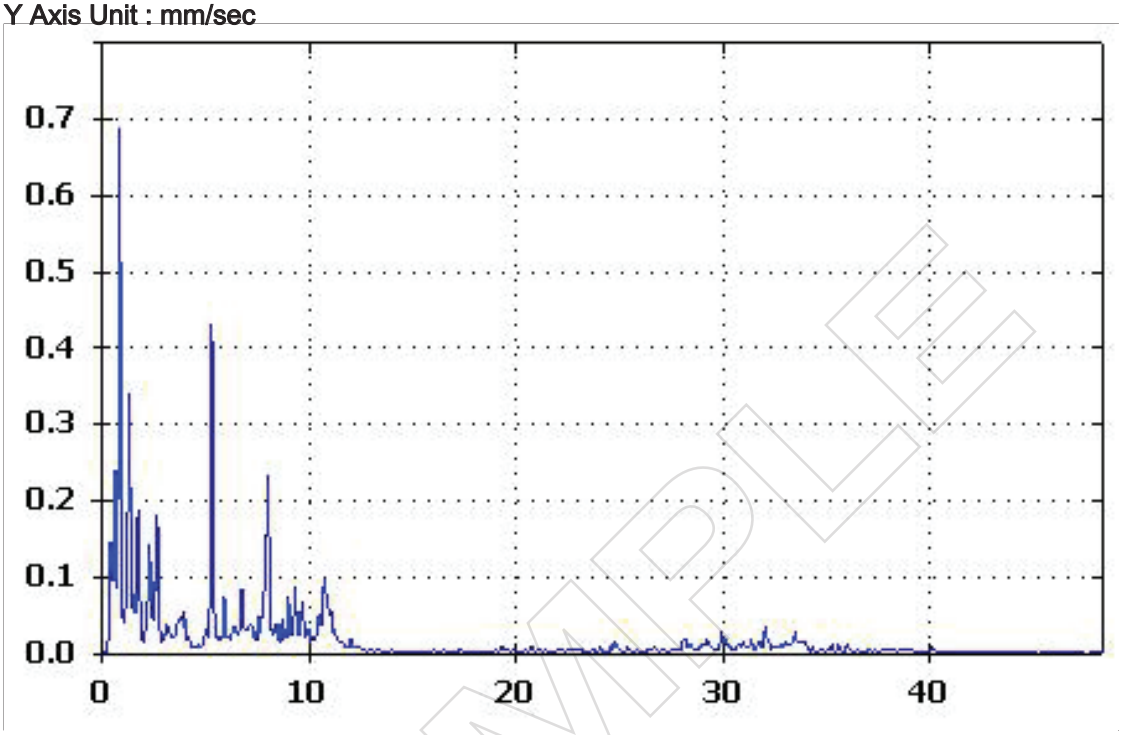


Recommendations

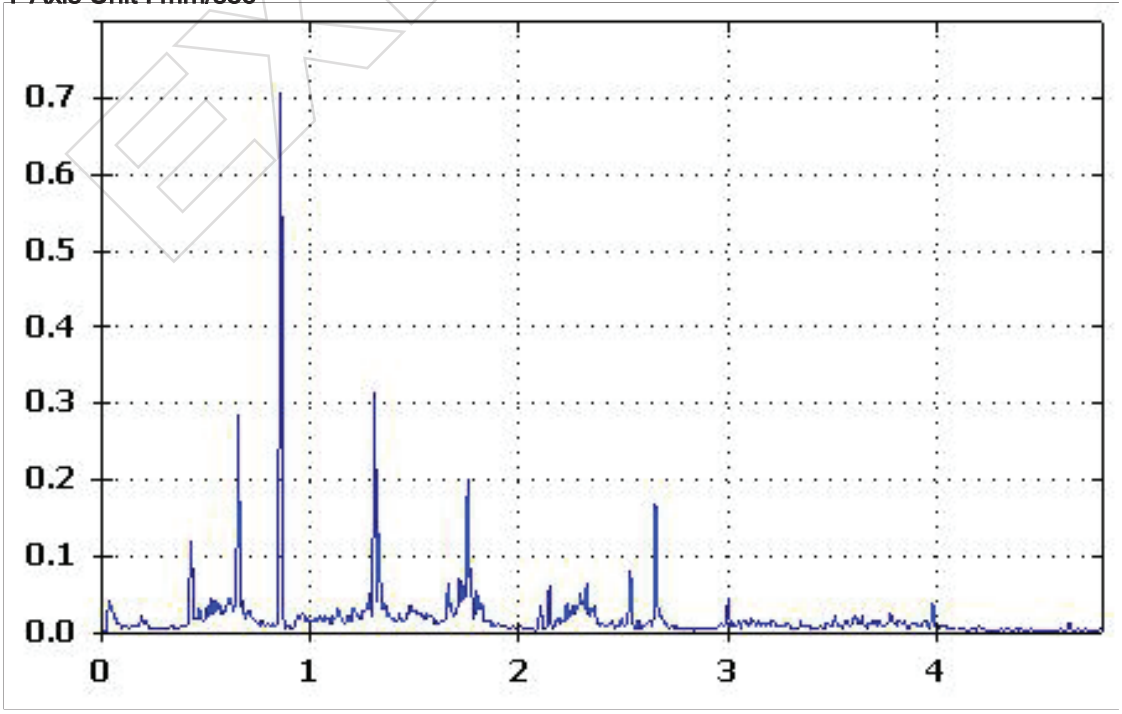
Recommendations	Priority	Priority Description
Monitor All Pump Bearings For Increased Vibration	2	Desirable

Date:10/12/2010 5:50 PM

Location : Location 2
Range : High range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec

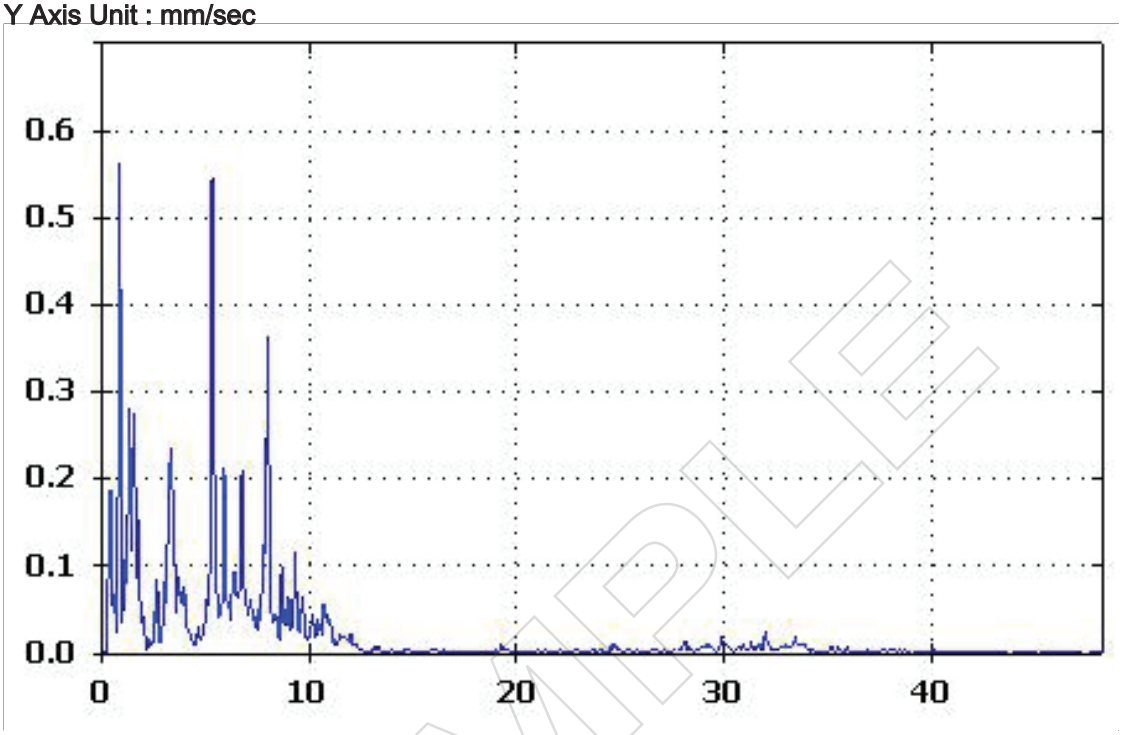


Location : Location 2
Range : Low range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec

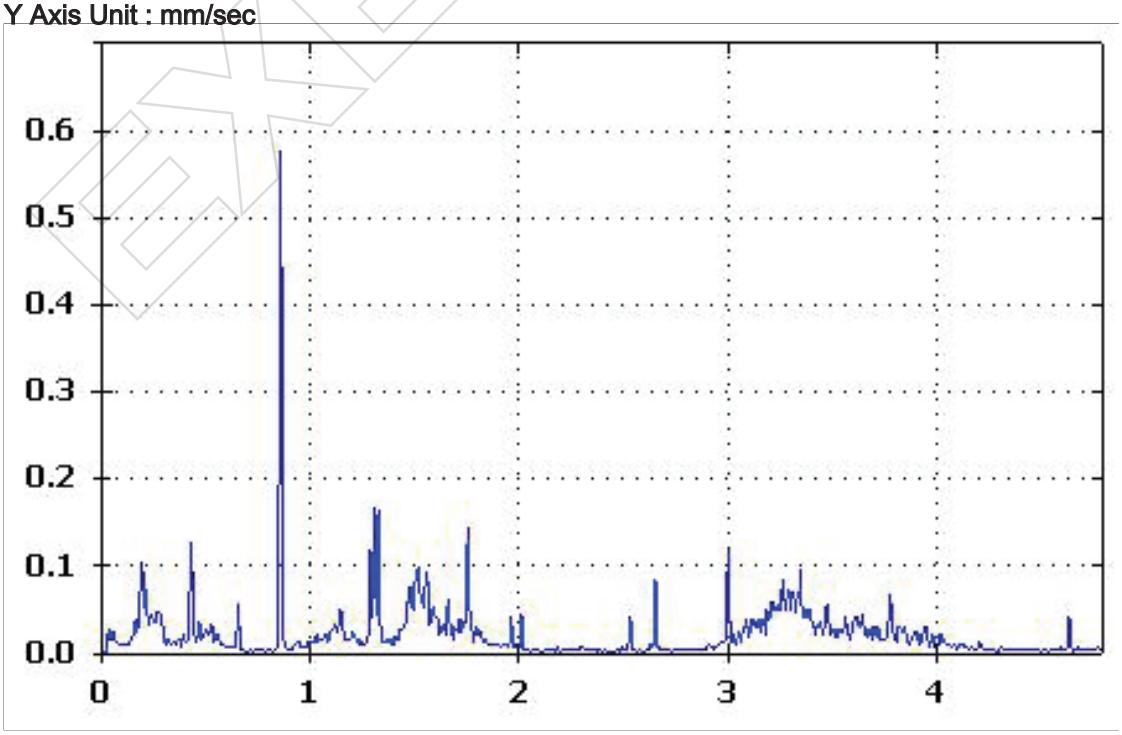


Date:10/12/2010 5:50 PM

Location : Location 2
Range : High range
Axis : Tangential
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 2
Range : Low range
Axis : Tangential
X Axis Unit : Orders
Y Axis Unit : mm/sec



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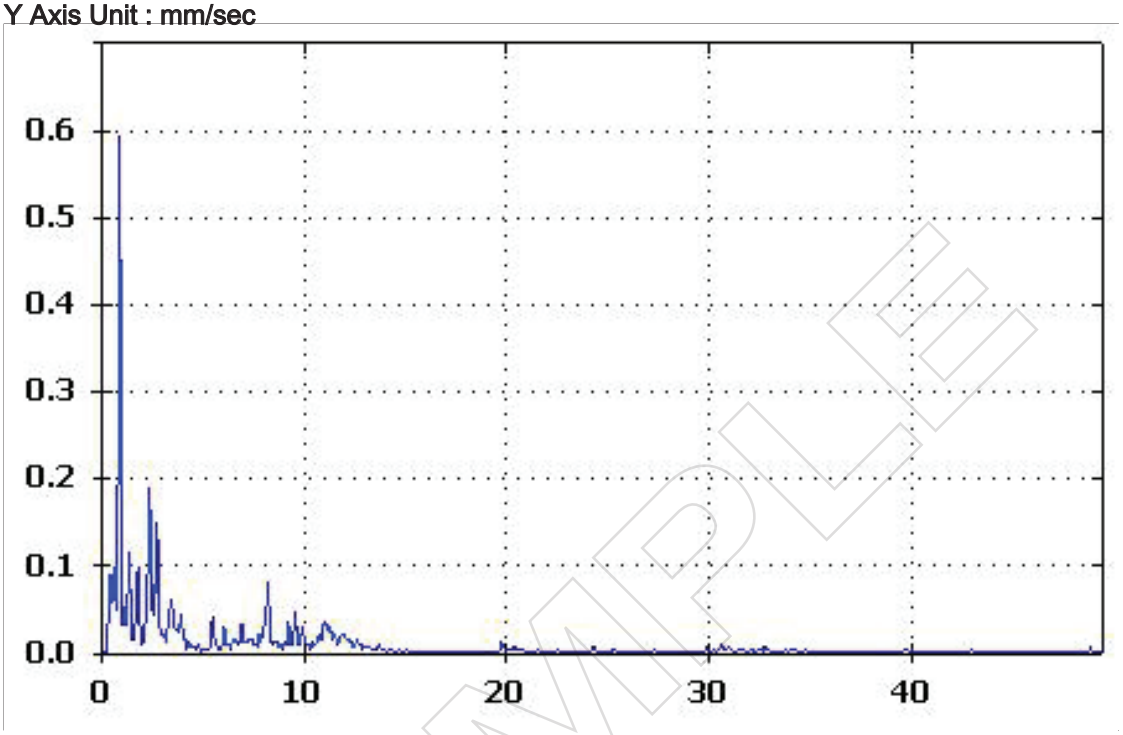
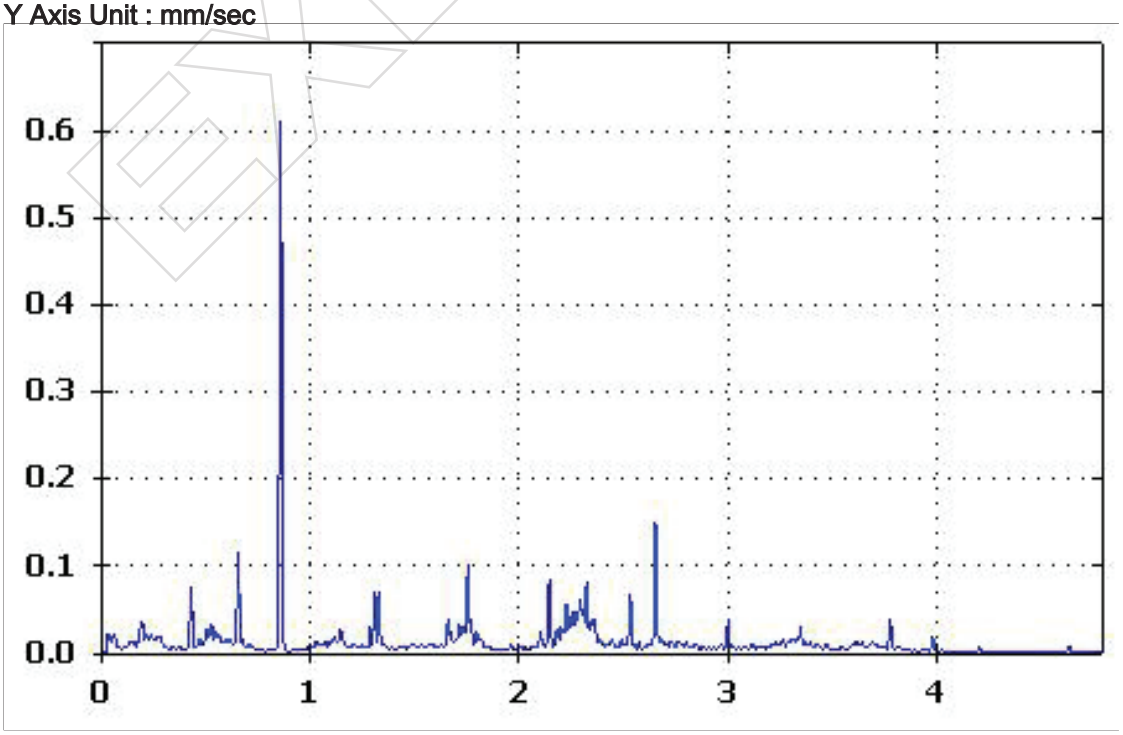
Location : Location 2
Range : High range
Axis : Radial
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 2
Range : Low range
Axis : Radial
X Axis Unit : Orders
Y Axis Unit : mm/sec



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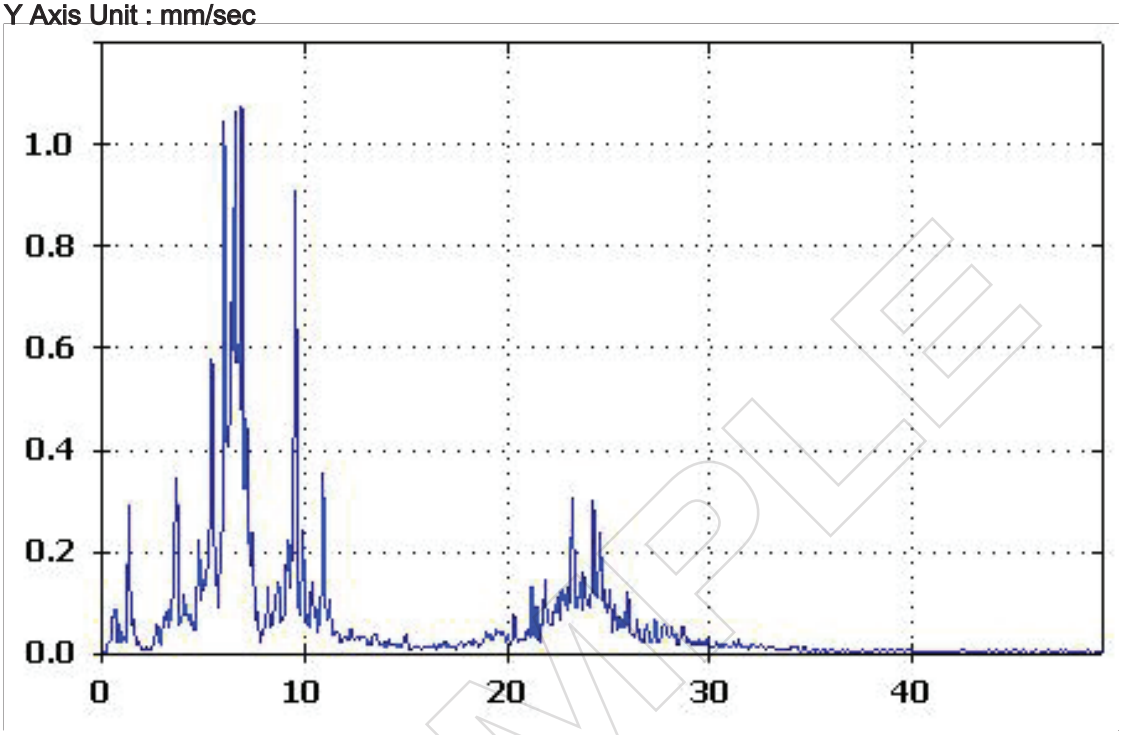
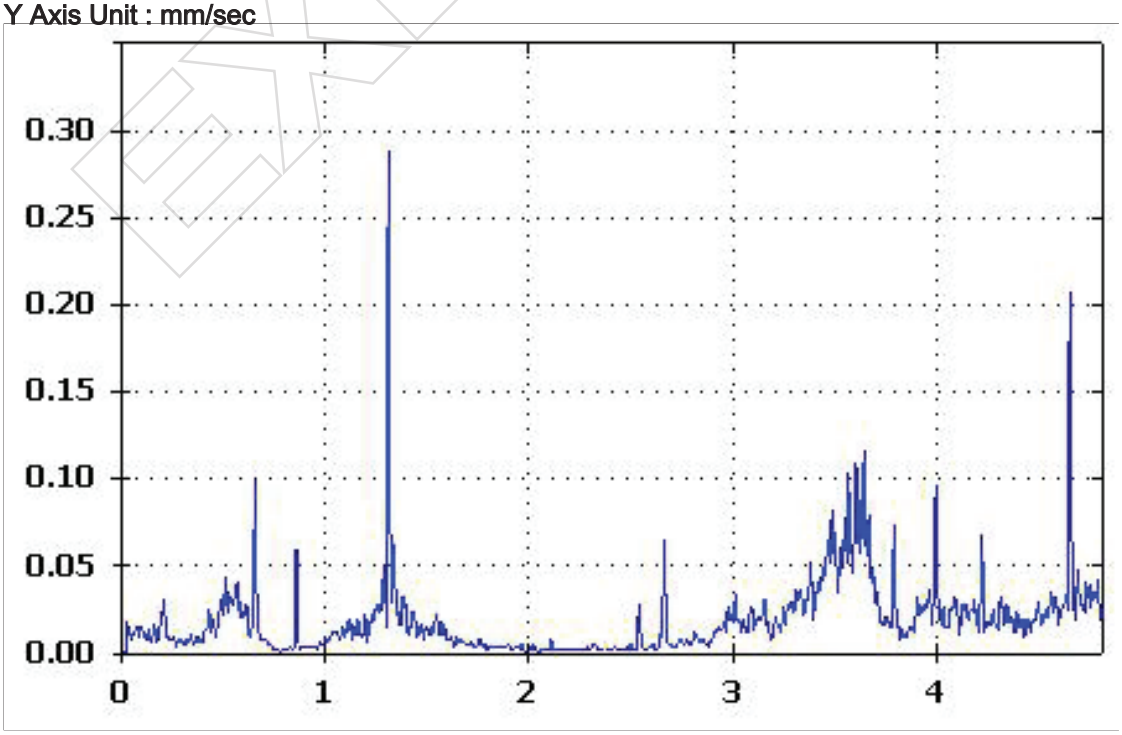
Location : Location 3
Range : High range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 3
Range : Low range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



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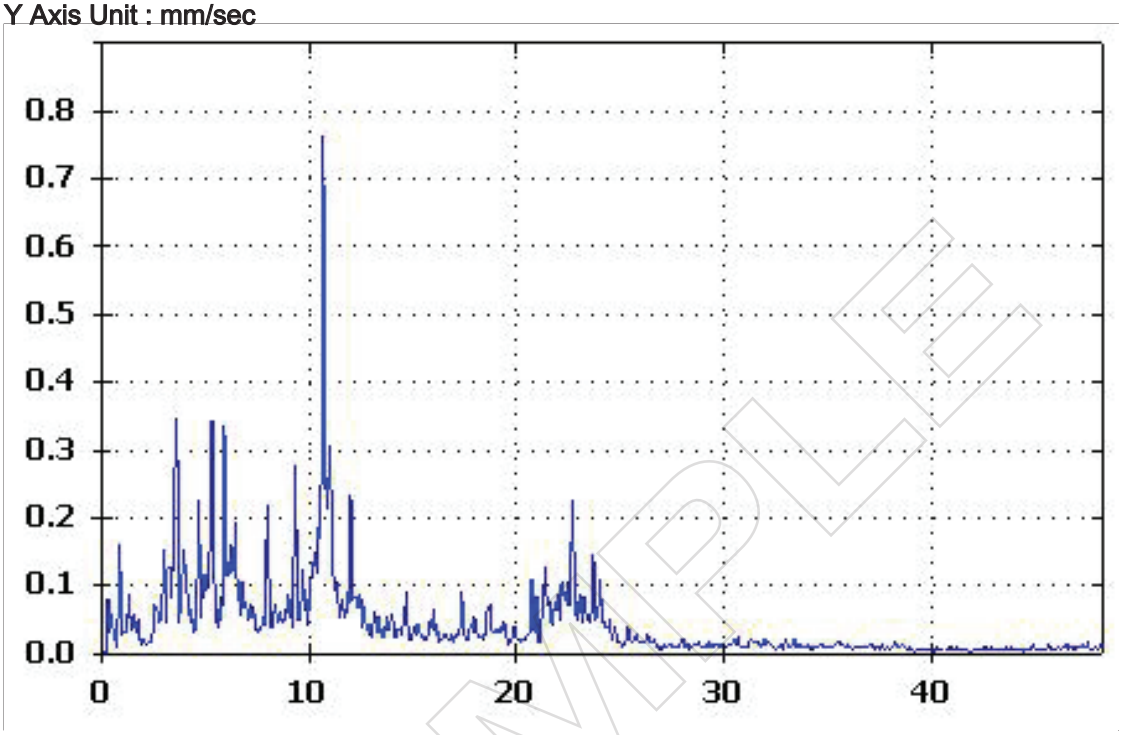
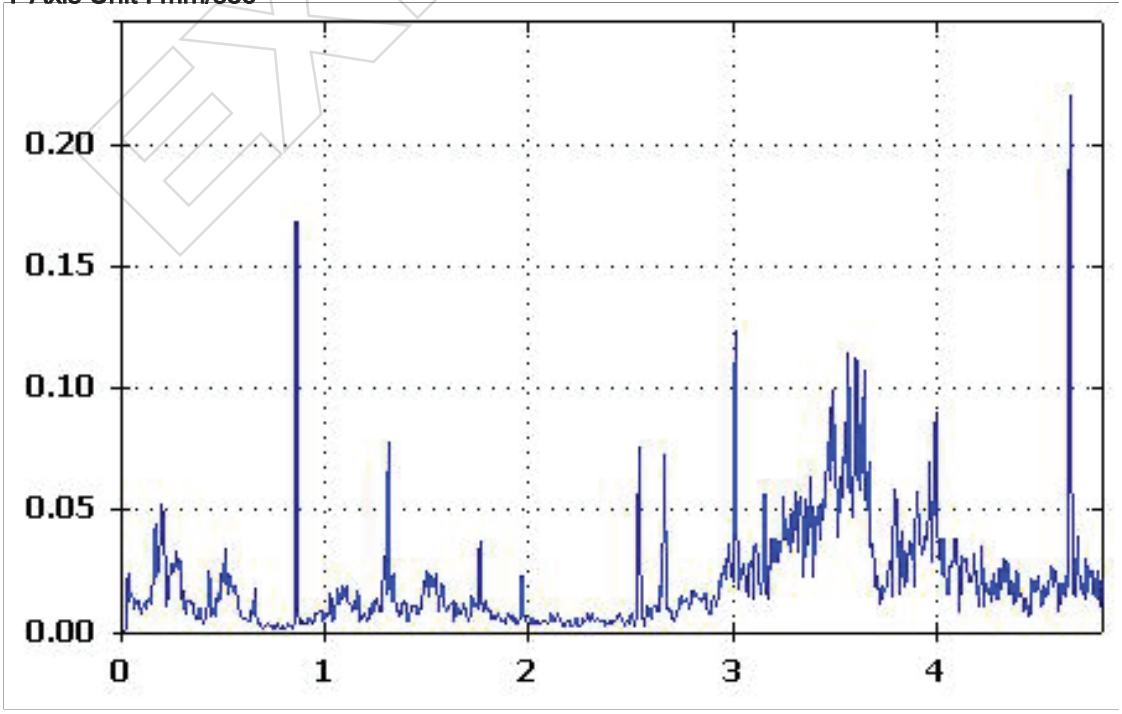
Location : Location 3
Range : High range
Axis : Tangential
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 3
Range : Low range
Axis : Tangential
X Axis Unit : Orders
Y Axis Unit : mm/sec



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Location : Location 3
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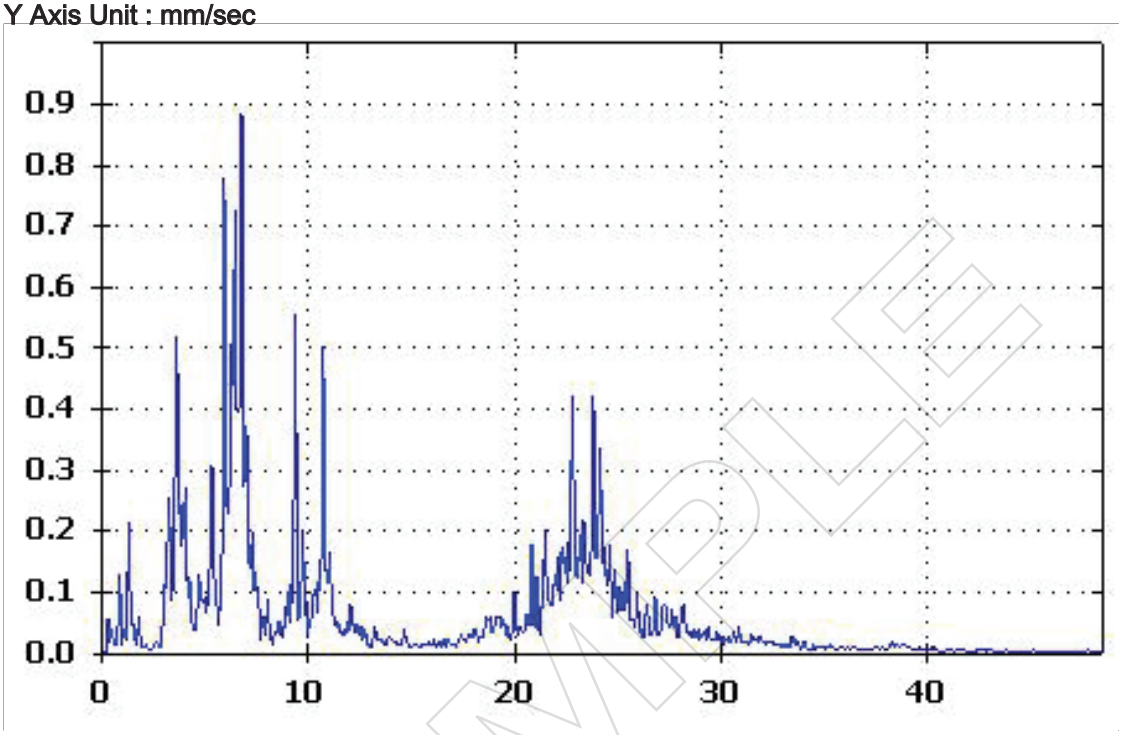
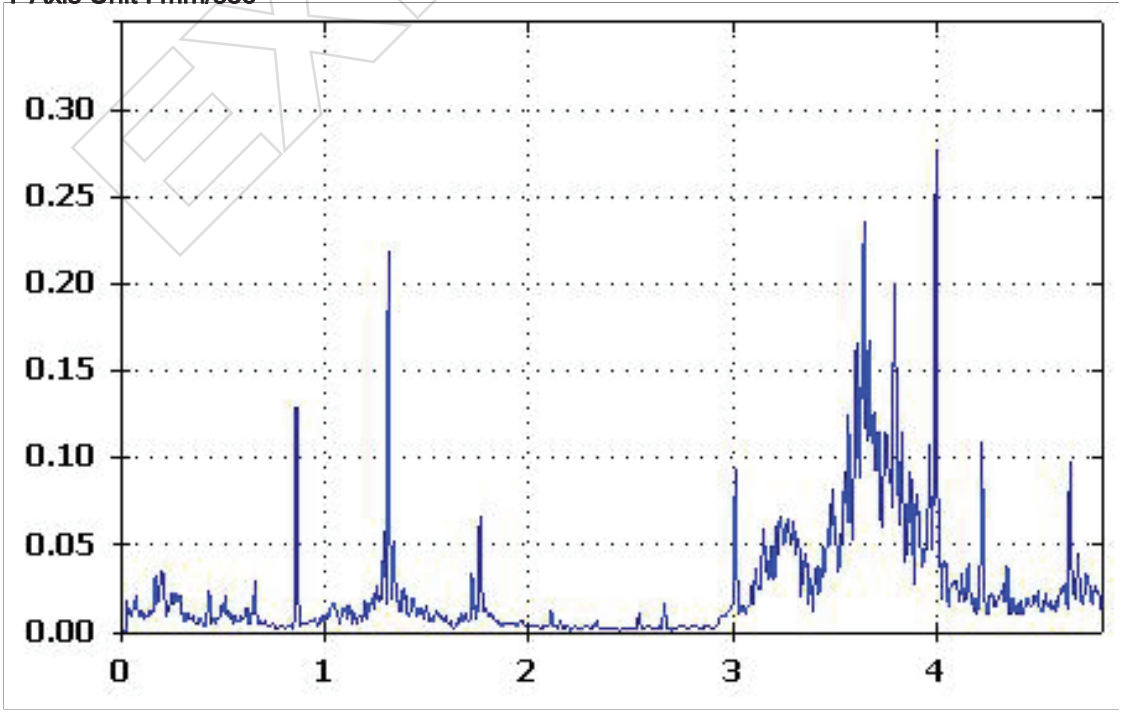
Y Axis Unit : mm/sec

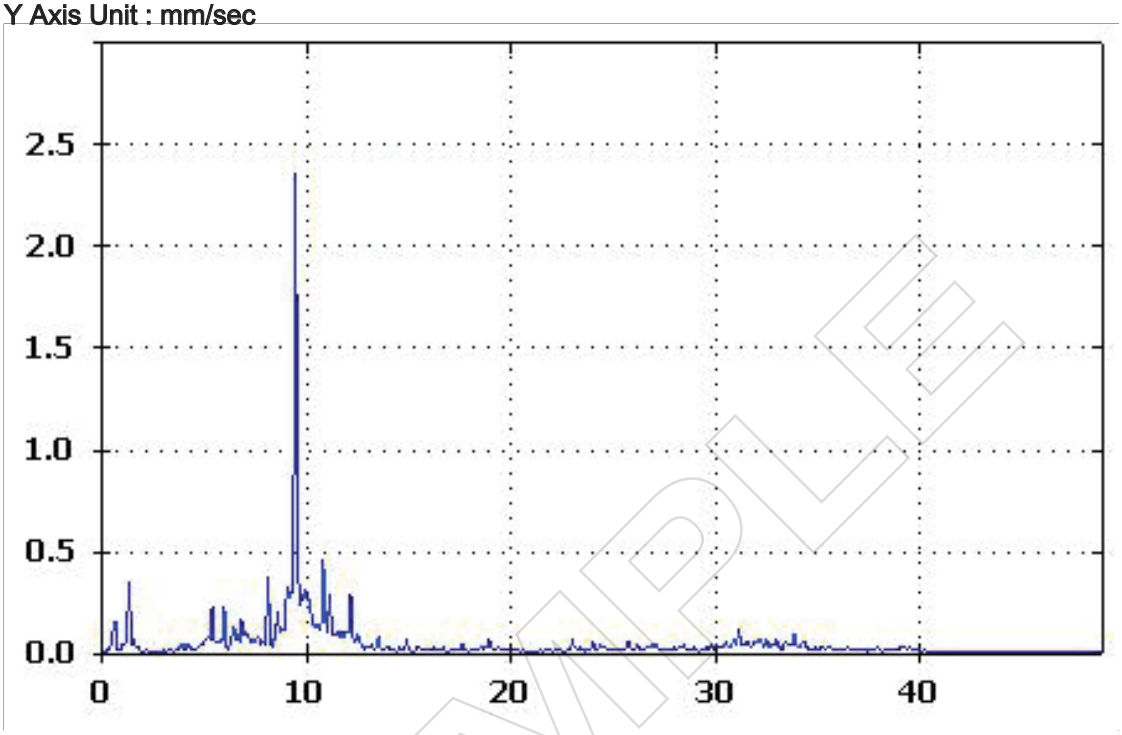


Location : Location 3
Range : Low range
Axis : Radial
X Axis Unit : Orders
Y Axis Unit : mm/sec

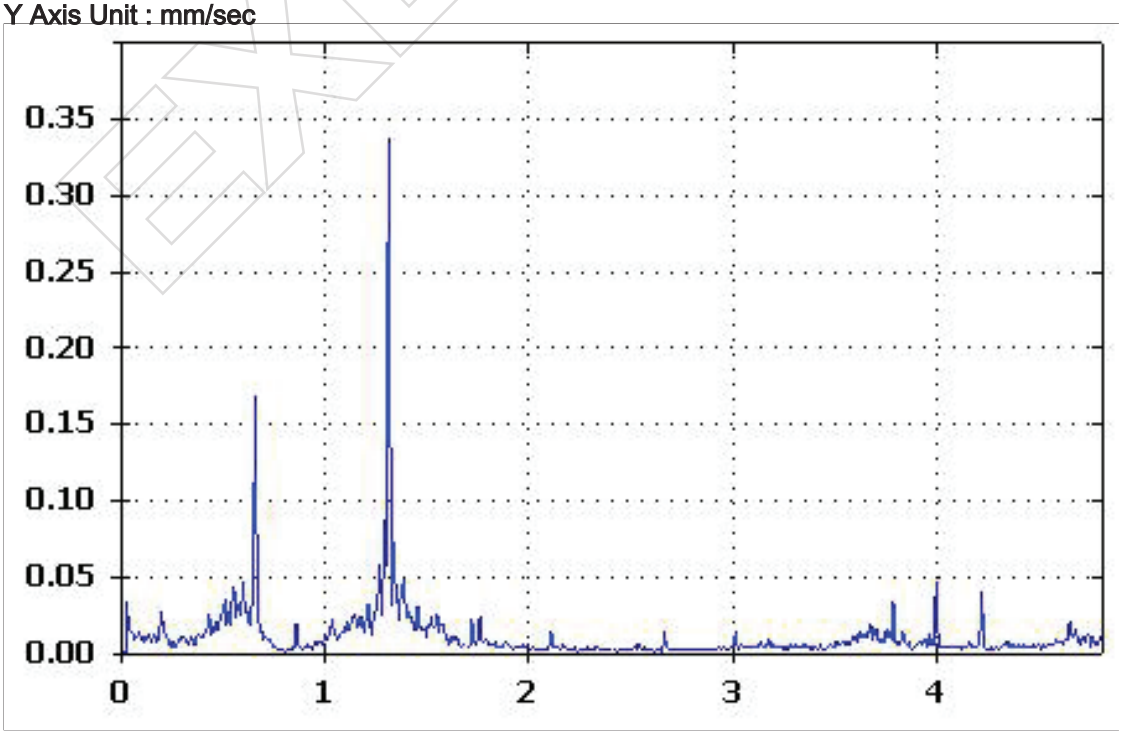


Date:10/12/2010 5:50 PM

Location : Location 4
Range : High range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 4
Range : Low range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



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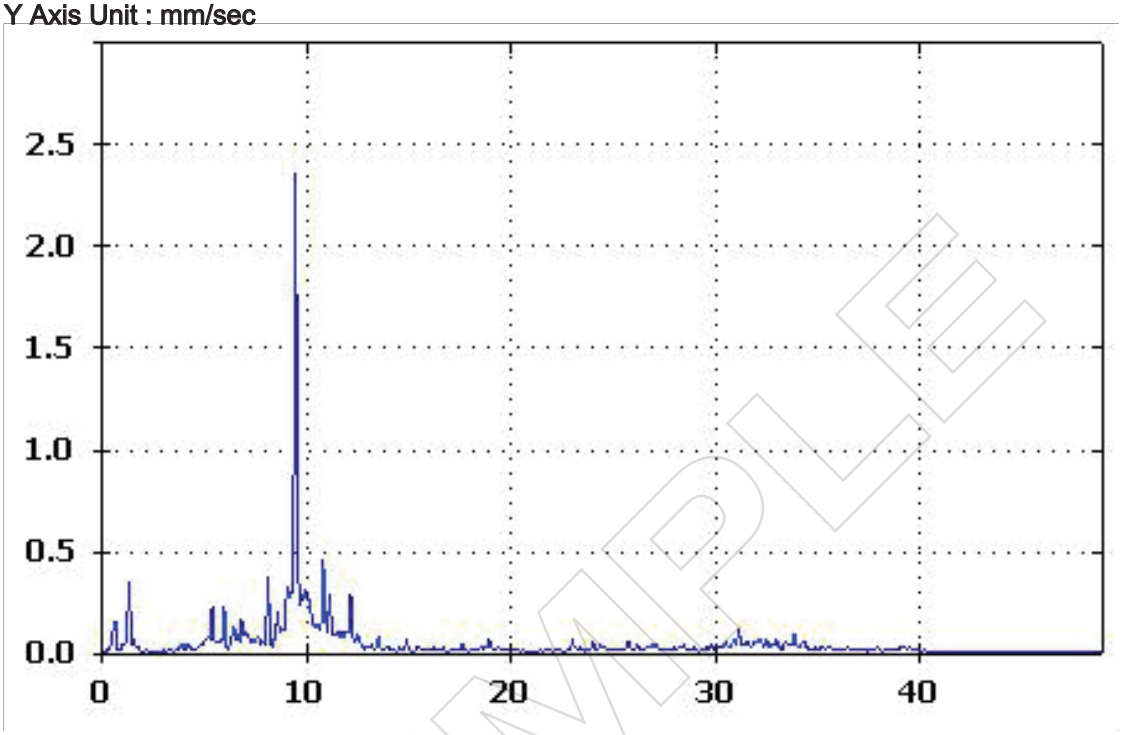
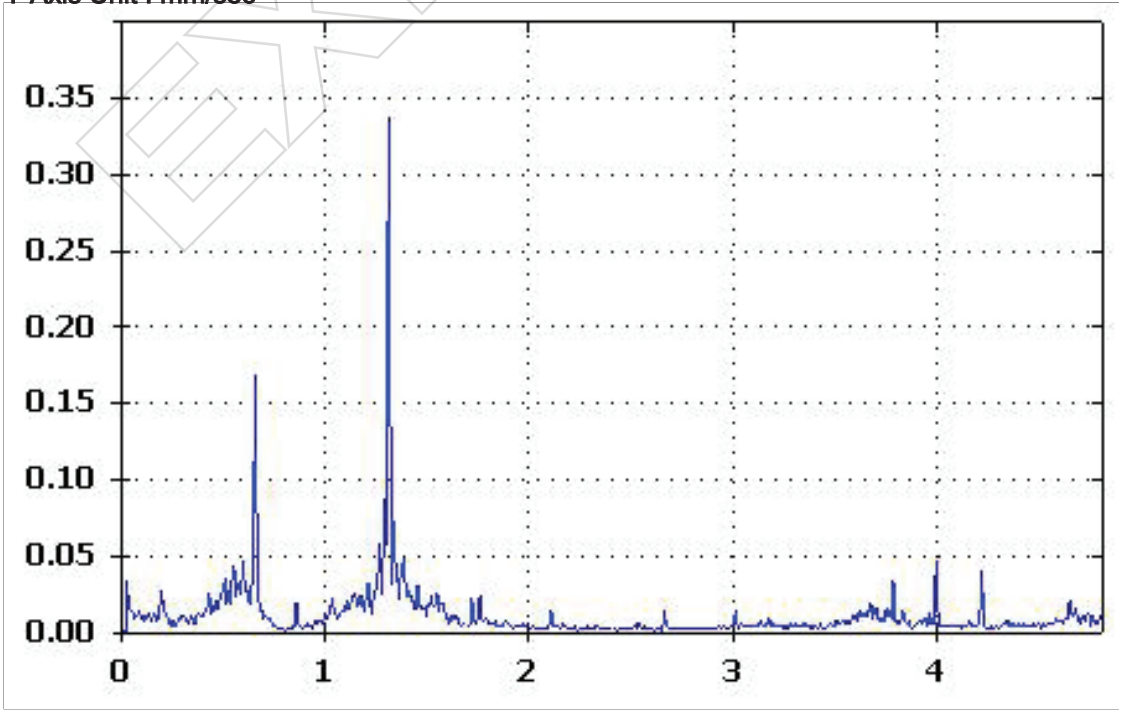
Location : Location 4
Range : High range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 4
Range : Low range
Axis : Axial
X Axis Unit : Orders
Y Axis Unit : mm/sec



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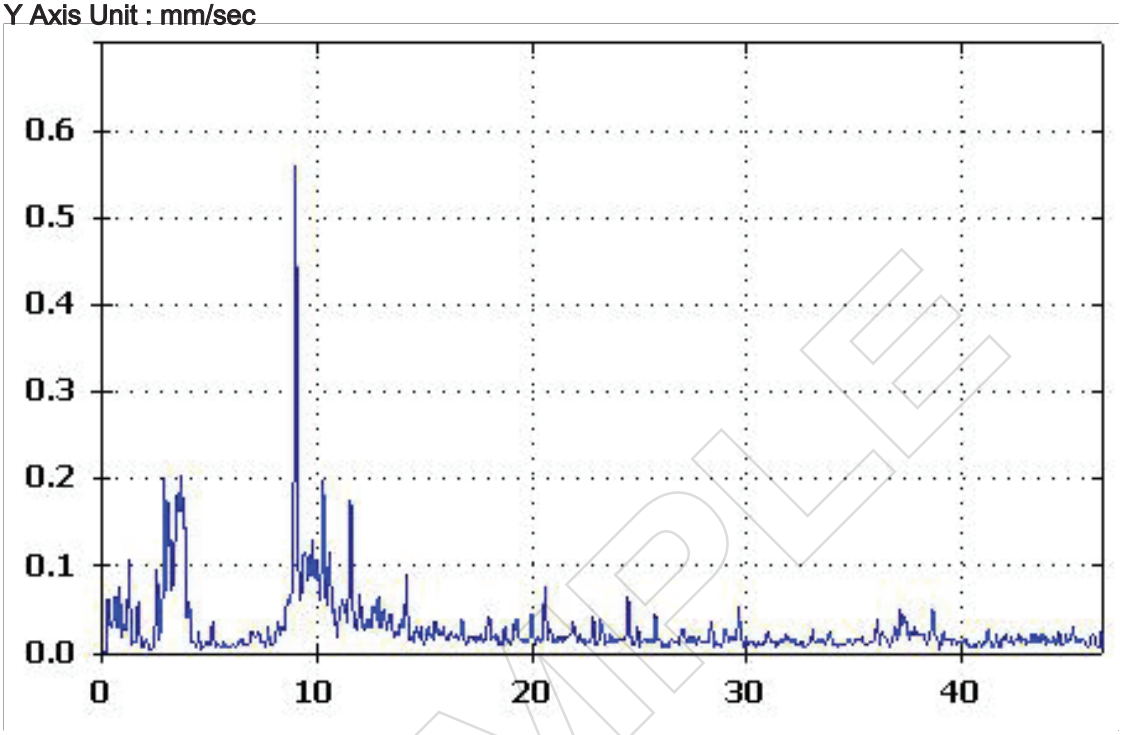
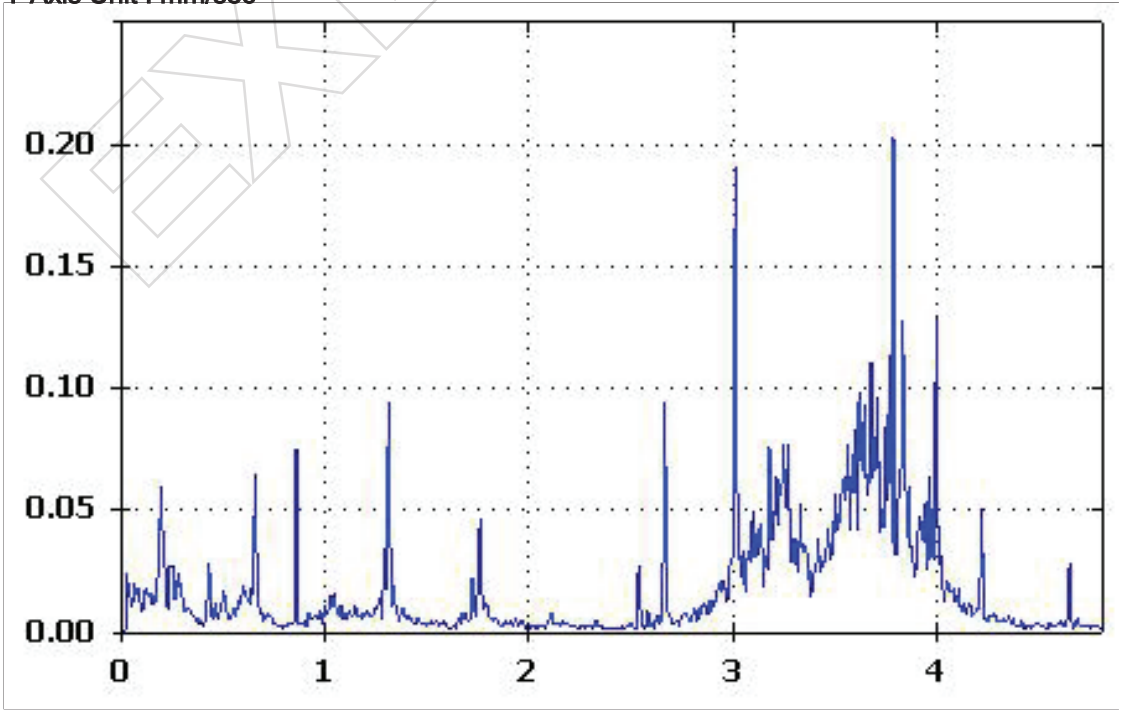
Location : Location 4
Range : High range
Axis : Radial
X Axis Unit : Orders
Y Axis Unit : mm/sec



Location : Location 4
Range : Low range
Axis : Radial
X Axis Unit : Orders
Y Axis Unit : mm/sec



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Fault description : Pump Free End Ball Bearing Wear

Fault severity : Moderate (31)

Cited peak number	Bearing	Axis	Vibration amplitude	Order	Range
Cited peak1	Location4	Axial	2.36 mm/sec	9.48	High
Cited peak2	Location4	Tangential	1.44 mm/sec	9.31	High
Cited peak3	Location4	Axial	0.46 mm/sec	10.8	High
Cited peak4	Location4	Tangential	0.25 mm/sec	5.32	High
Cited peak5	Location4	Radial	0.20 mm/sec	3.79	Low
Cited peak6	Location4	Radial	0.20 mm/sec	10.3	High
Cited peak7	Location4	Radial	0.18 mm/sec	11.6	High

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Fault description : Pump Drive End Ball Bearing Wear

Fault severity : Moderate (30)

Cited peak number	Bearing	Axis	Vibration amplitude	Order	Range
Cited peak1	Location3	Axial	1.06 mm/sec	6.57	High
Cited peak2	Location3	Axial	0.91 mm/sec	9.55	High
Cited peak3	Location3	Radial	0.88 mm/sec	6.8	High
Cited peak4	Location3	Tangential	0.76 mm/sec	10.7	High
Cited peak5	Location3	Radial	0.72 mm/sec	6.45	High
Cited peak6	Location3	Tangential	0.34 mm/sec	5.34	High
Cited peak7	Location3	Radial	0.24 mm/sec	3.65	Low

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Fault description : Pump Drive End Looseness Or Bearing Clearance Problem

Fault severity : Slight (8)

Cited peak number	Bearing	Axis	Vibration amplitude	Order	Range
Cited peak1	Location3	Axial	1.08 mm/sec	7	High
Cited peak2	Location3	Axial	1.05 mm/sec	6	High
Cited peak3	Location3	Radial	0.78 mm/sec	6	High
Cited peak4	Location3	Radial	0.70 mm/sec	7	High
Cited peak5	Location3	Tangential	0.34 mm/sec	6	High
Cited peak6	Location3	Axial	0.23 mm/sec	9	High
Cited peak7	Location3	Tangential	0.22 mm/sec	4.67	Low
Cited peak8	Location3	Tangential	0.22 mm/sec	8	High
Cited peak9	Location3	Axial	0.21 mm/sec	4.67	Low

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Machine Setup Details

Machine Setup Name : USCC

Setup Field	Input
Motor type	AC
AC motor with VFD	Yes
Speed in RPM	717
Nominal hp	50
Motor mounted	Horizontal
Motor has	Roller bearing
Motor detached from drive train	No
Motor close-coupled	No
Coupling between motor and next component	Yes
Next component	Pump
Driven component bearing type	Roller bearing
Pump type	Centrifugal
Impeller is supported by	Overhung
No. of pump vanes or blades [optional]	

Ce document est un exemple de rapport de diagnostic Fluke 810. L'apparence du rapport dépend des données enregistrées et des images insérées. Pour en savoir plus, rendez-vous sur www.fluke.com/viewer-software ou envoyez un courriel à vibration@fluke.com.

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