



VIBRATION ANALYSIS DETAILED REPORT

Subject: Vibration Analysis Report –

PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



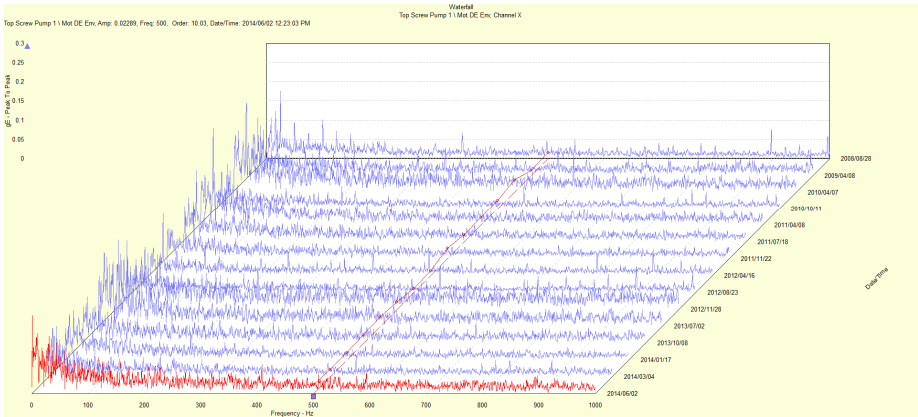
Machine ID: Top Screw Pump No. 1
Plant: Inlet Pump Station
Date: June 2014

PRIORITY: **4**

Machine Component: Entire machine **Fault Reported:** None
Diagnosis: None **Recommendations:** None

Comments: The overall values collected on this machine are low and satisfactory. No obvious and/or serious problems to be reported at the time of data collection on this machine.
No action required here for now.

ENV ACC – MOTOR DE BRG



PRIORITY DEFINITION:

- 1: Emergency Situation
- 2: Work to be done next Shutdown
- 3: Problem developing - Monitor
- 4: No problem



Machine ID: Top Screw Pump No. 2
Plant: Inlet Pump Station
Date: June 2014

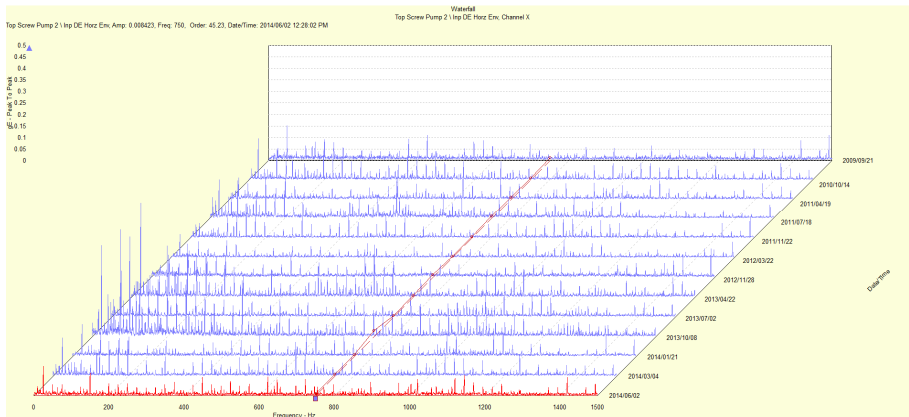
PRIORITY: 4

Machine Component: Entire machine **Fault Reported:** None

Diagnosis: None **Recommendations:** None

Comments: The overall values collected on this machine are low and satisfactory. No obvious and/or serious problems to be reported at the time of data collection on this machine.
No action required here for now.

ENV ACC – GEARBOX INPUT DE BRG



PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



Machine ID: Top Screw Pump No. 3
Plant: Inlet Pump Station
Date: June 2014

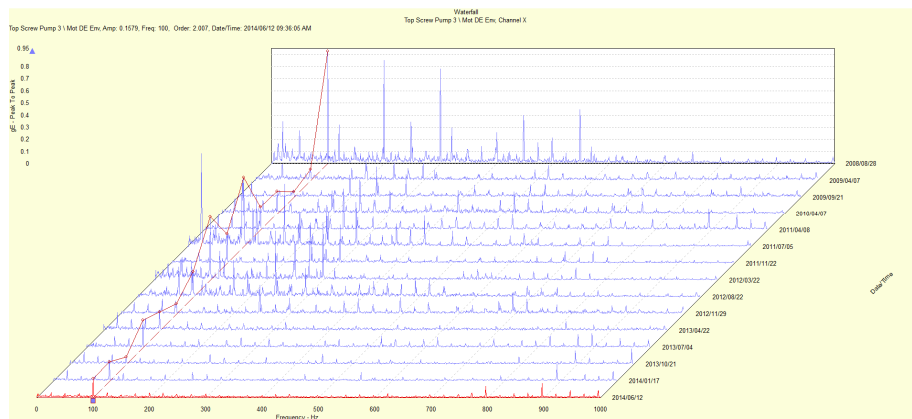
PRIORITY: **4**

Machine Component: Entire machine **Fault Reported:** None

Diagnosis: None **Recommendations:** None

Comments: The overall values collected on this machine are low and satisfactory. No obvious and/or serious problems to be reported at the time of data collection on this machine.
No action required here for now.

ENV ACC – MOTOR DE BRG



PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



Machine ID: Top Screw Pump No. 7
Plant: Inlet Pump Station
Date: June 2014

PRIORITY: 2

Machine Component: Gearbox

Fault Reported: 1 x RPM

Diagnosis: Looseness

Recommendations: Re-tighten gearbox loose hold down bolts

Comments: The overall values collected on this machine are low and satisfactory. We can just notice that the overall values for the velocity signal have been gradually and slowly increasing over the past 3 surveys, and we notice during the data collection that some of the gearbox hold-down bolts are loose.

We would recommend that you re-tighten the lose gearbox hold-down bolts.

VELOCITY – GEARBOX OUTPUT NDE BRG



PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



Machine ID: Top Screw Pump No. 8
Plant: Inlet Pump Station
Date: June 2014

PRIORITY: 4

Machine Component: Entire machine

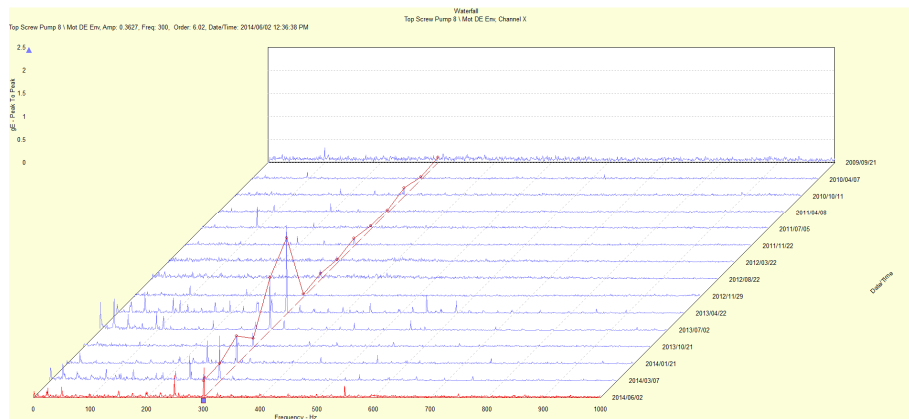
Fault Reported: None

Diagnosis: None

Recommendations: None

Comments: The overall values collected on this machine are low and satisfactory. No obvious and/or serious problems to be reported at the time of data collection on this machine.
No action required here for now.

ENV ACC – MOTOR DE BRG



PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



Machine ID: Top Screw Pump No. 9
Plant: Inlet Pump Station
Date: June 2014

PRIORITY: 4

Machine Component: Entire machine

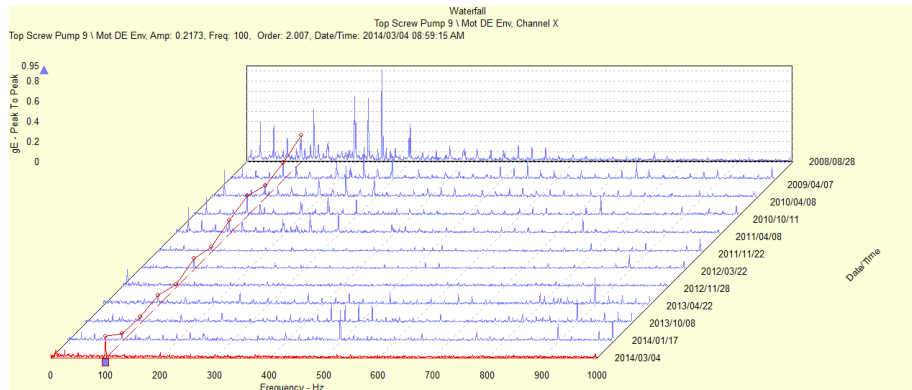
Fault Reported: None

Diagnosis: None

Recommendations: None

Comments: The overall values collected on this machine are low and satisfactory. No obvious and/or serious problems to be reported at the time of data collection on this machine.
No action required here for now.

ENV ACC – MOTOR DE BRG



PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem



SUMMARY REPORT – INLET PUMP STATION June 2014

PRIORITY No. 2:

Machine ID: Top Screw Pump No. 7

Machine Component: Gearbox
Diagnosis: Looseness

Fault Reported: 1 x RPM
Recommendations: Re-tighten gearbox loose hold down bolts

PRIORITY No. 4:

Machine ID: Top Screw Pump No. 1

Machine Component: Entire machine
Diagnosis: None

Fault Reported: None
Recommendations: None

Machine ID: Top Screw Pump No. 2

Machine Component: Entire machine
Diagnosis: None

Fault Reported: None
Recommendations: None

Machine ID: Top Screw Pump No. 3

Machine Component: Entire machine
Diagnosis: None

Fault Reported: None
Recommendations: None

Machine ID: Top Screw Pump No. 8

Machine Component: Entire machine
Diagnosis: None

Fault Reported: None
Recommendations: None

Machine ID: Top Screw Pump No. 9

Machine Component: Entire machine
Diagnosis: None

Fault Reported: None
Recommendations: None

PRIORITY DEFINITION:

1: Emergency Situation
2: Work to be done next Shutdown

3: Problem developing - Monitor
4: No problem