



VIBRATION ANALYSIS REPORT

ABC PLANT

APRIL 2019

Prepared by: *PdM360*

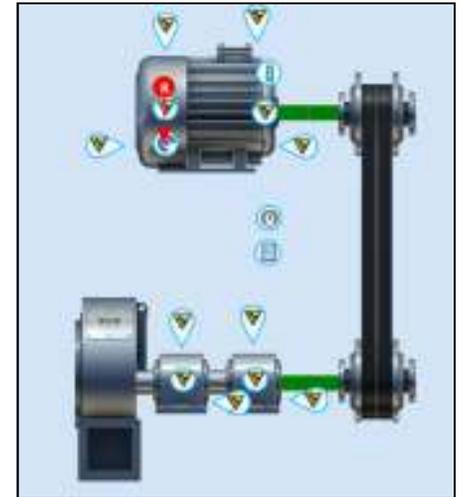
SUMMARY OF MONITORED EQUIPMENT

Date: April 2019
Re: Vibration Analysis Report
For: ABC PLANT

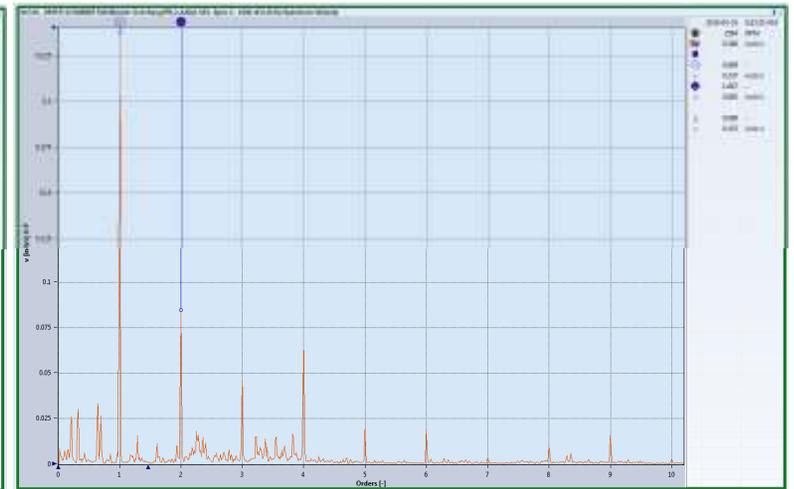
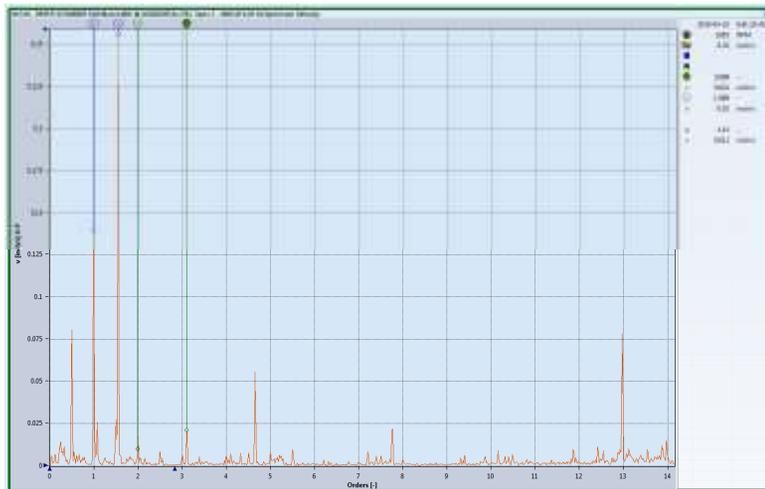
Plant Area	Equipment	SAP	Code	Anomalies / Recommendations
ABC PLANT	UNIT A	12055443	3	- Overall vibration is steady since last test. - No service action is required.
	UNIT B	13243546	2	- Vibration spectrum shows 1x harmonic peaks. - Inspect pulley unit for tooth/belt for any signs of damage or wear.
	UNIT C	11223344	3	- Overall vibration is steady since last test. - No service action is required.
	UNIT D	12312423	1	- TimeWave signal shows a beating repeating pattern at 10Hz with 0.8 Hz side band. It is advised to gather more info on (1) speed of the pulley (2) number of vanes in the fan. - Inspection pulley unit for any signs of wear/damage on belt/tooth.
	UNIT E	11223342	3	- Overall vibration is steady since last test. - No service action is required.
	UNIT F	12341234	3	- Overall vibration is steady since last test. - No service action is required.
	UNIT G	12131415	3	- Overall vibration is steady since last test. - No service action is required.
	UNIT H	14563743	3	- Overall vibration is steady since last test. - No service action is required.

Priority Coding:

1	Critical - Service action is required.
2	Caution - Close monitoring is advised.
3	Normal - No service action is required.

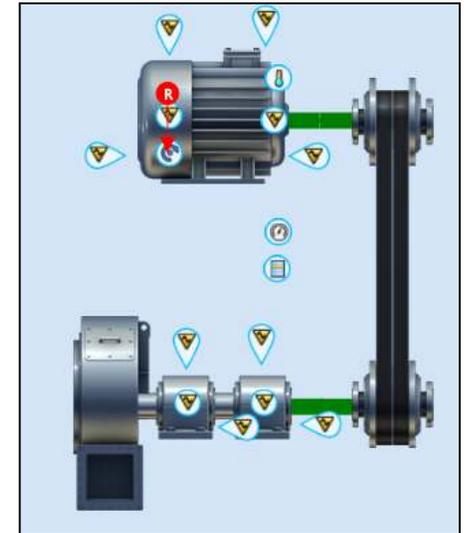


UNIT B

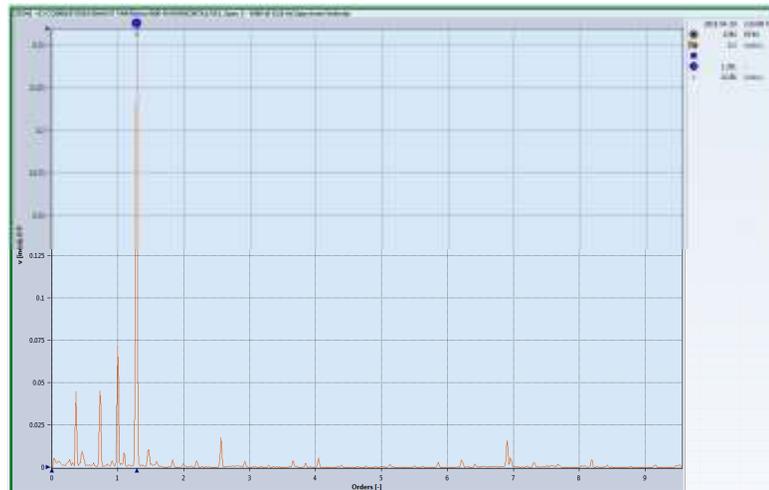


Observations: Spectrum graph shows 1x harmonic peaks at the electric motor and shaft Pellow Blocks.

Recommendations: Check pulley unit for tooth and/or belt signs of wear/damage.

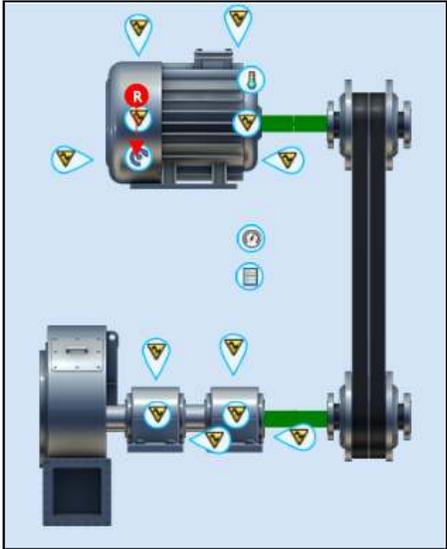


UNIT C

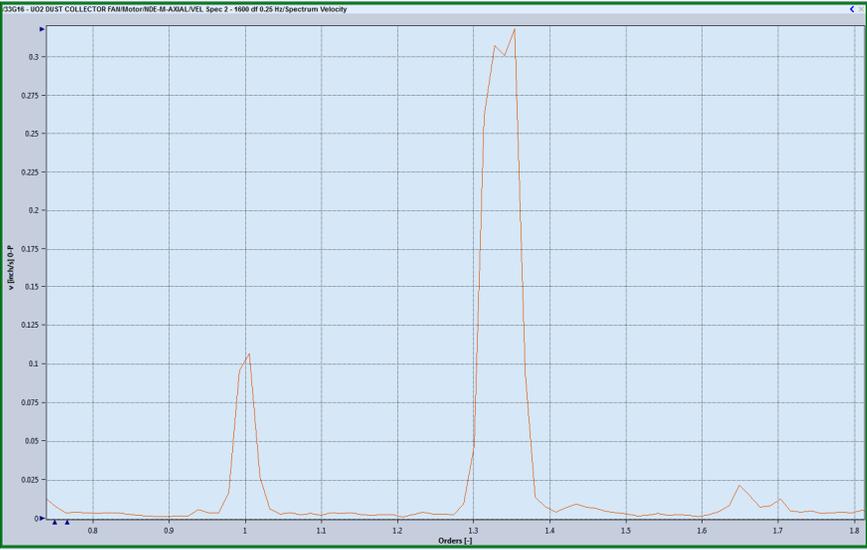
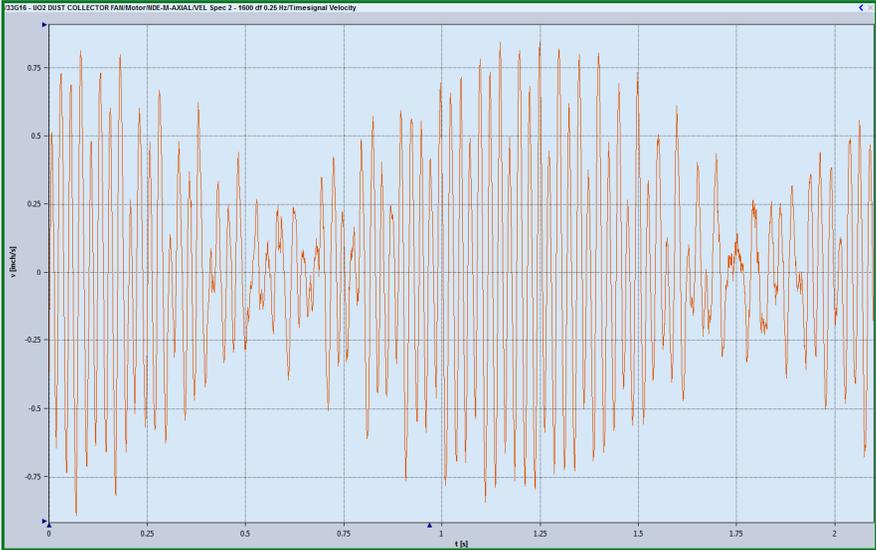


Observations: Overall vibration is stable since last monitoring test.

Recommendations: No service action is required.

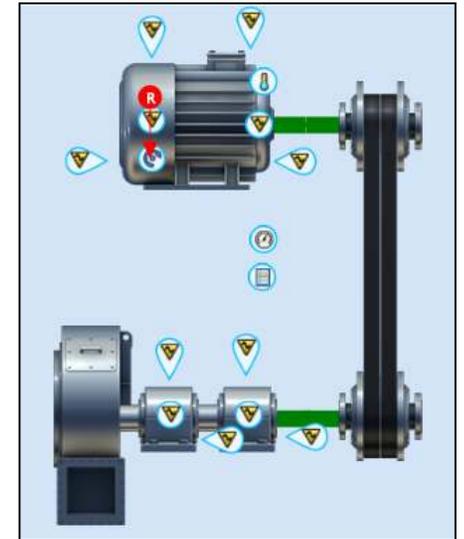


UNIT D

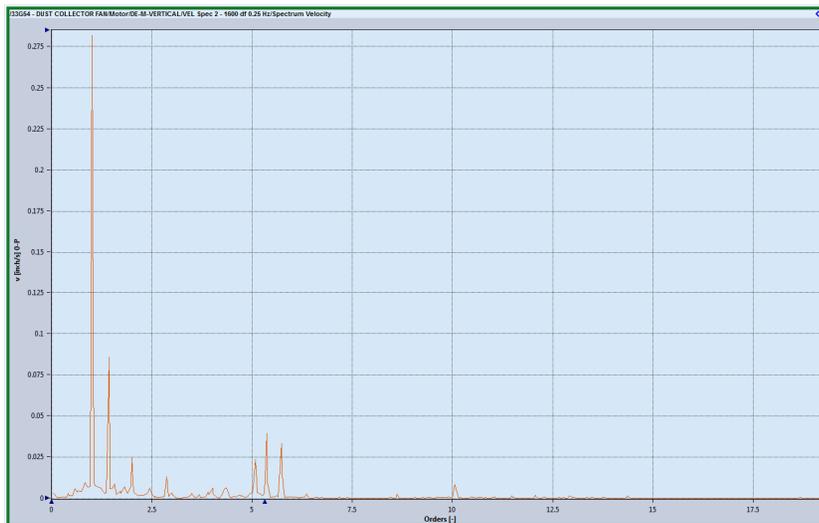


Observations: TimeWave form shows a beating vibration pattern every 10 Hz with a 0.8 side band. More information on the belt/pulley is needed as well as the number and speed of fan blades.

Recommendations: Check pulley unit for tooth and/or belt signs of wear/damage.



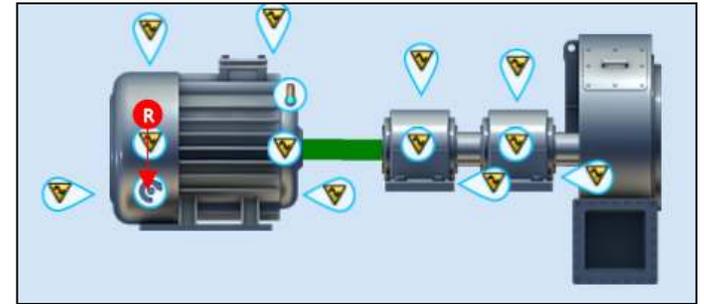
UNIT E



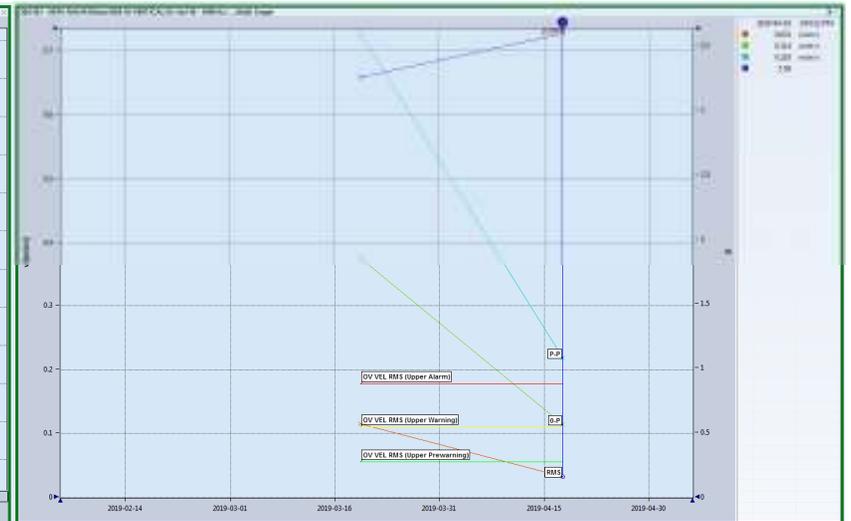
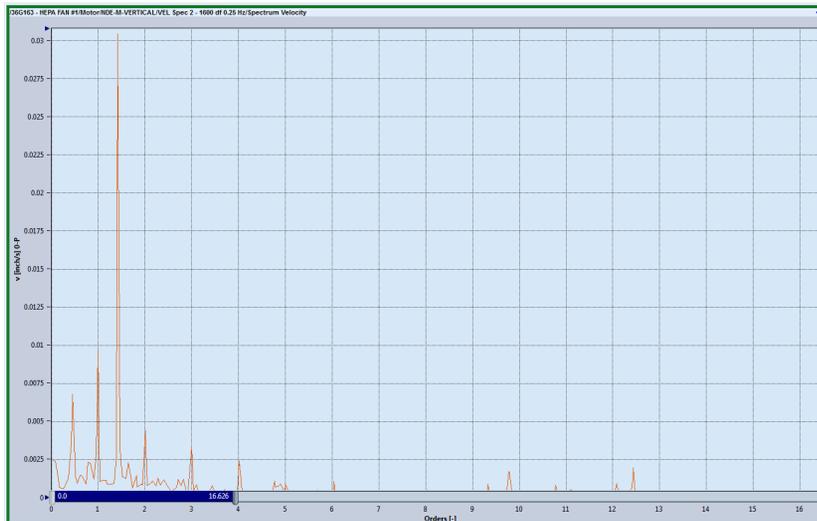
Observations: Overall vibration and Shock Pulse are stable since last monitoring test.

Recommendations: Close monitoring is advised during next monitoring test.

VIBRATION REPORT | ABC



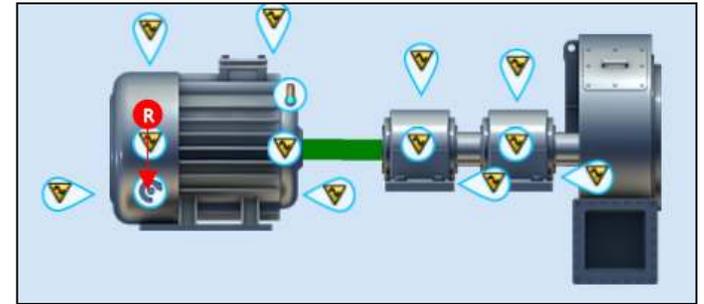
UNIT F



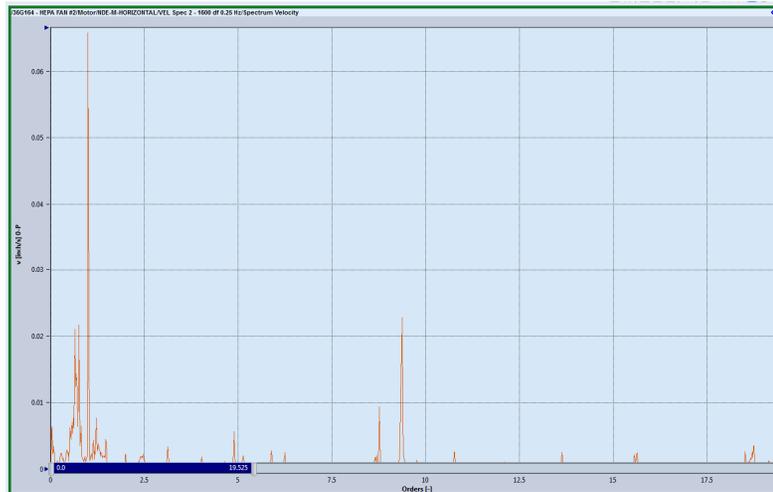
Observations: Overall vibration is stable since last monitoring test.

Recommendations: No service action is required.

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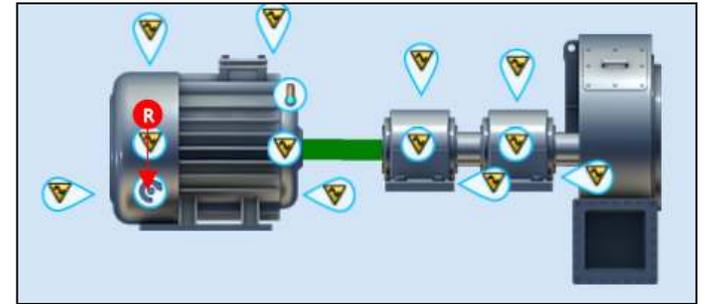
UNIT G



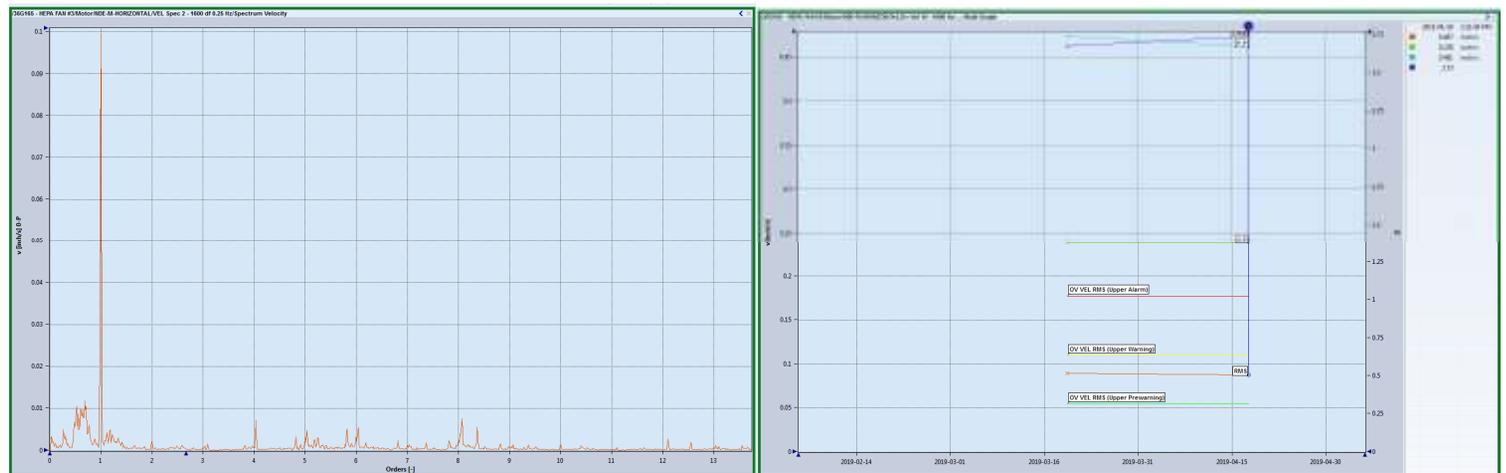
Observations: Overall vibration is stable since last monitoring test.

Recommendations: No service action is required.

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UNIT H



Observations: Overall vibration is stable since last monitoring test.
Recommendations: No service action is required.