



MBS KINGMAN

Condition Monitoring Report

SEP - OCT 2023

Vegam Solutions Pte Ltd

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Overall Plant Status (06 Oct 2023 to 22 Oct 2023):

	0 6	0 7	0 8	0 9	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0	2 1	2 2
Analytics Simulator Data Collector_DC8CC9CD5630																	
Analytics Simulator Data Collector_CAD5A4D65DE9																	
analytic_service_test5_ns27																	
analytic_service_test5_ns28																	
analytic_service_test5_ns29																	
analytic_service_test5_ns27																	
analytic_service_test5_ns26																	

Summary:

----- This is manually written text -----

Extruder Drive Gear Box 1301, Extruder Drive Gear Box 1201, and Gear pump Drive Gear Box 1202 machine vibration levels are observed within a good range, even though momentary spikes are found due to the process. Godet 1 Gear Box 1401 machine noted with high vibration range & equipment's parameters are required for further fault analysis.

-----end of manually written text -----

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[content of the text which will be changed dynamically based on VRMS data --> task yet to be start/ added #pm]

2. Equipment Overview Status:

Sl. No	EQUIPMENT ID	STATUS	COMMENTS
1	EXTRUDER DRIVE GEARBOX 1301_SENSOR1	Good	All three axis vibrations are observed within ISO threshold limit.
2	EXTRUDER DRIVE GEARBOX 1201_SENSOR2	Good	All three axis vibrations are observed within ISO threshold limit.
3	GODET 1 GEARBOX 1401_SENSOR3	Critical	Vibrations are observed in the critical range for the Radial Vertical direction as per ISO standards and require immediate Service.
4	GEAR PUMP DRIVE GEARBOX 1202_SENSOR4	Good	All three axis vibrations are observed within ISO threshold limit.

Key:

	GOOD		CRITICAL
	Fluctuating / Unknown		Machine NOT RUNNING
	WARNING		Data is not available

3. Equipment Details:


3.1 EXTRUDER DRIVE GEARBOX 1301:

Equipment Condition	Good	
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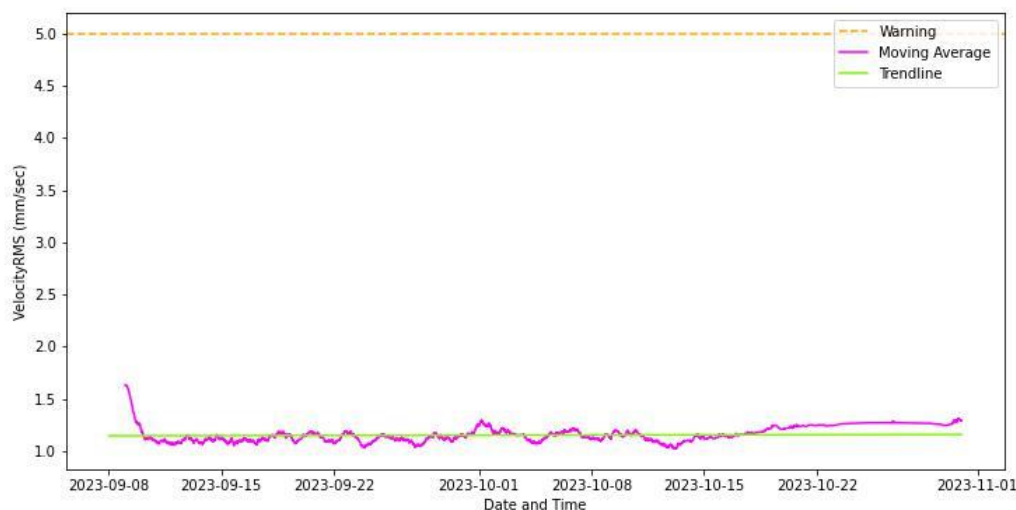
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Duration	SEP - OCT 2023	
Highest Surface Temperature	38 °C	

Velocity RMS Data Summary - Radial Horizontal:



Observations:

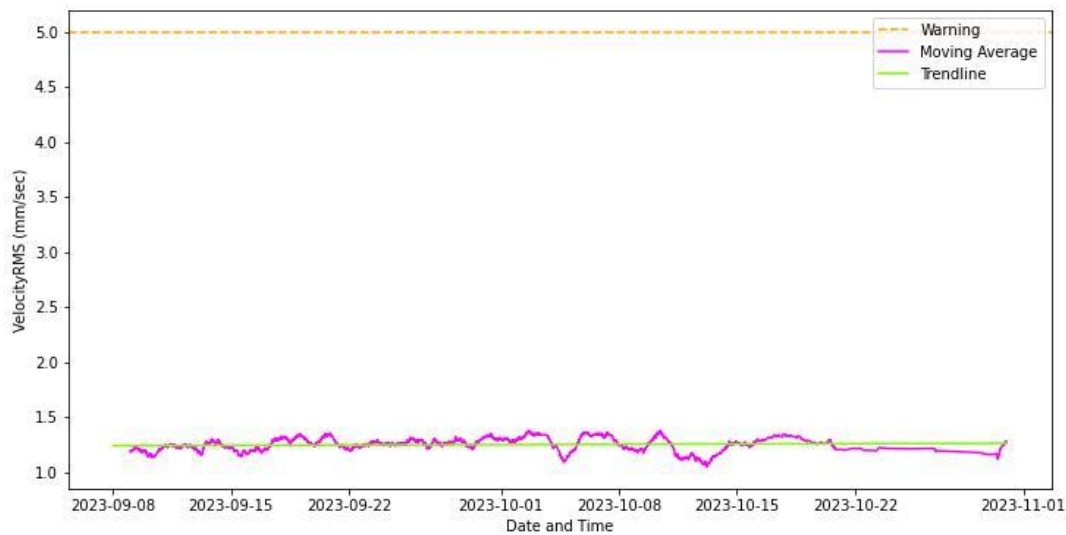
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Axial :



Observations:

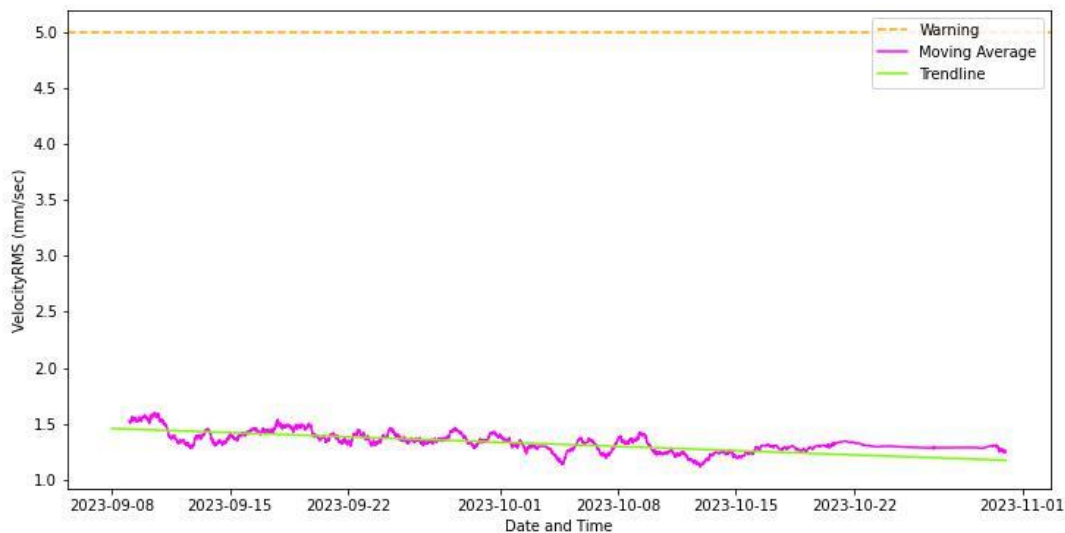
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Radial Vertical:



Observations:

- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

Remarks	<ul style="list-style-type: none"> • Overall condition of the machine/motor's condition is good as the vibration data are observed within ISO threshold limit. • To enable detailed analysis and fault alerts, machine parameters related to rpm, bearing, and gear are required.
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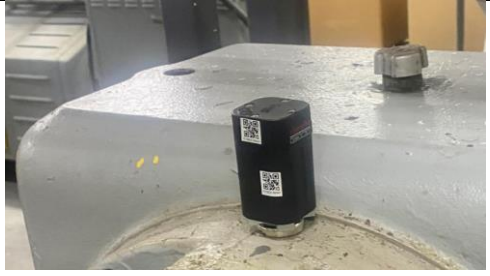
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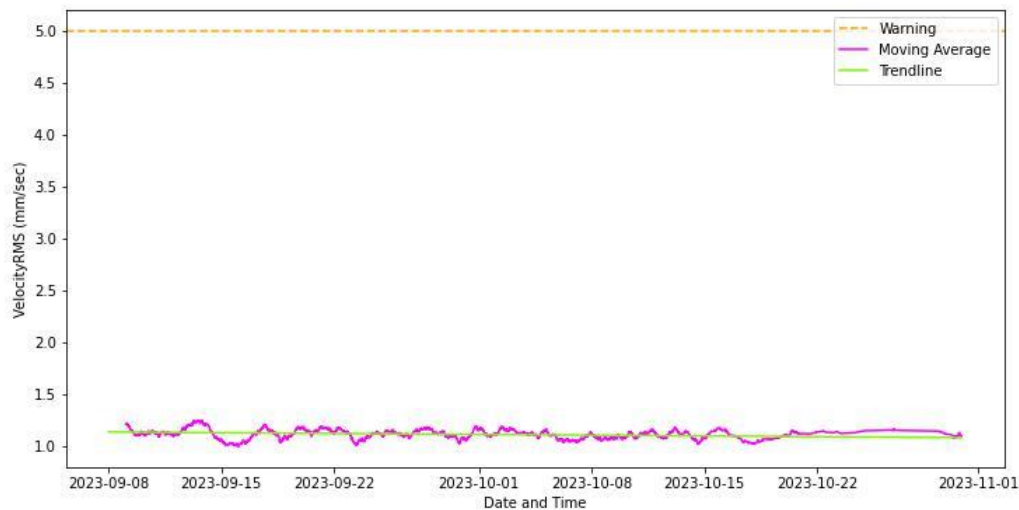
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3. Equipment Details:

3.2 EXTRUDER DRIVE GEARBOX 1201:

Equipment Condition	Good	
Duration	SEP - OCT 2023	
Highest Surface Temperature	51 °C	

Velocity RMS Data Summary - Radial Horizontal:



Observations:

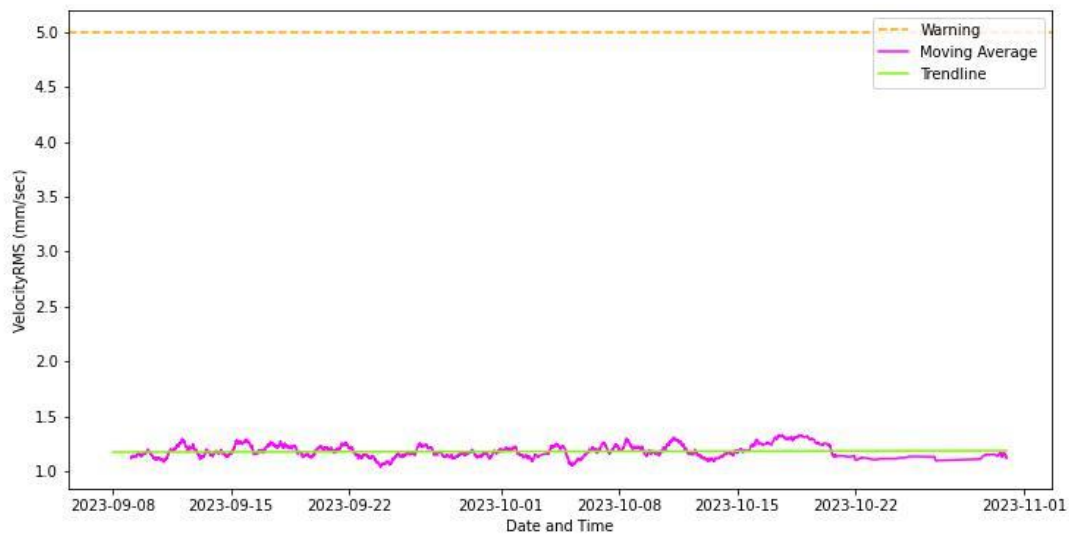
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Axial :



Observations:

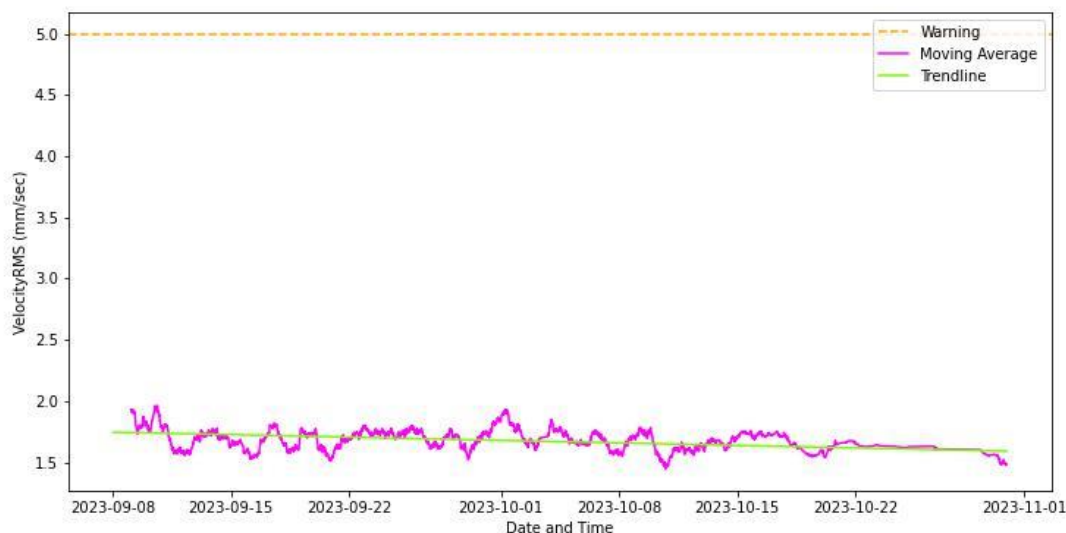
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Radial Vertical:



Observations:

- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

Remarks	<ul style="list-style-type: none"> • Overall condition of the machine/motor's condition is good as the vibration data are observed within ISO threshold limit. • To enable detailed analysis and fault alerts, machine parameters related to rpm, bearing, and gear are required.
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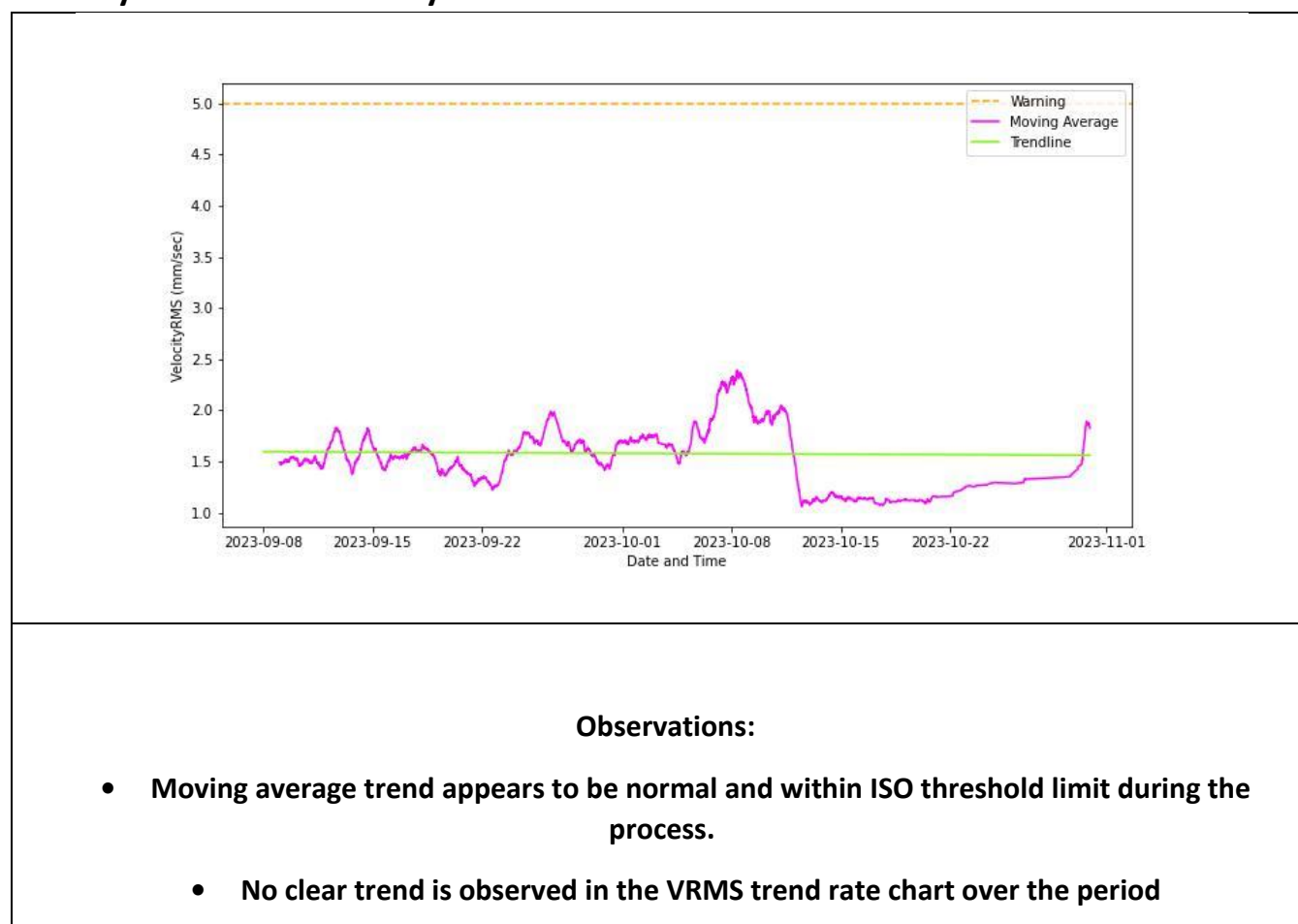
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3. Equipment Details:

3.3 GODET 1 GEARBOX 1401:

Equipment Condition	Good	
Duration	SEP - OCT 2023	
Highest Surface Temperature	49 °C	

Velocity RMS Data Summary - Radial Horizontal:

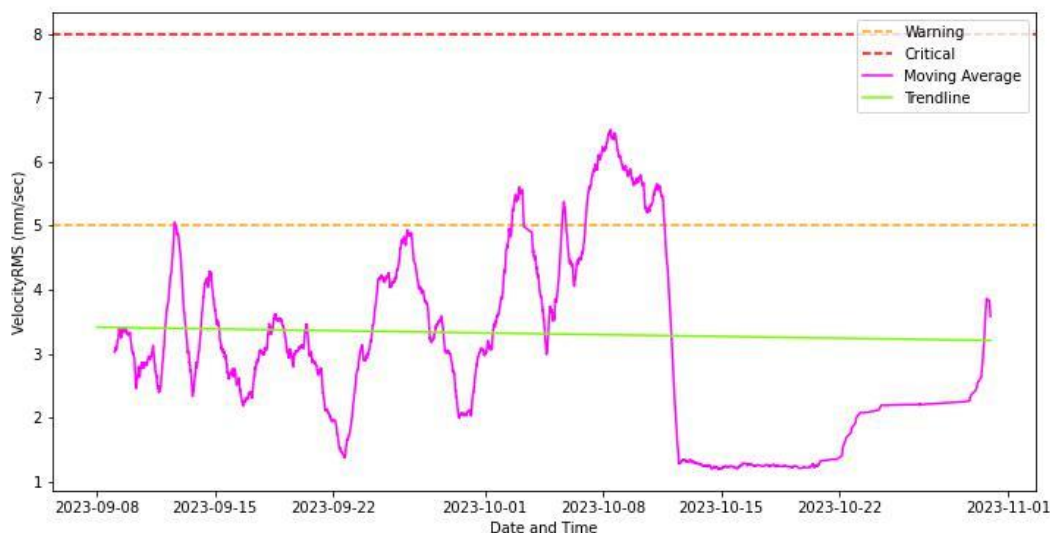


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Velocity RMS Data Summary - Axial :



Observations:

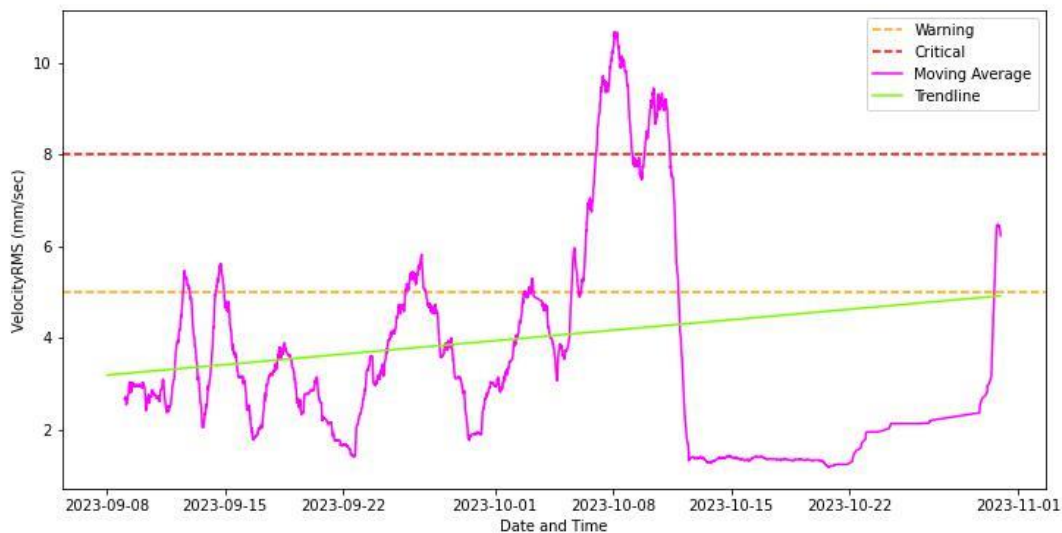
- Moving average trend requires attention as it's beyond the ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Radial Vertical:



Observations:

- Moving average trend requires attention as it's beyond the ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

Remarks	<ul style="list-style-type: none"> • Overall condition of the machine/motor's condition is critical as the VRMS data are observed in the Critical range as per the ISO threshold limits. • To enable detailed analysis and fault alerts, machine parameters related to rpm, bearing, and gear are required.
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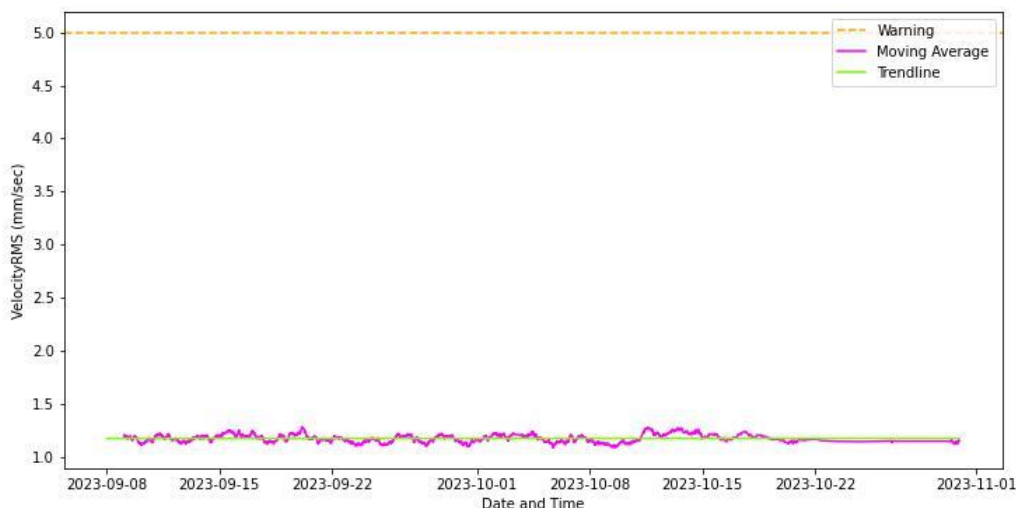
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3. Equipment Details:

3.4 GEAR PUMP DRIVE GEARBOX 1202:

Equipment Condition	Good	
Duration	SEP - OCT 2023	
Highest Surface Temperature	54 °C	

Velocity RMS Data Summary - Axial :



Observations:

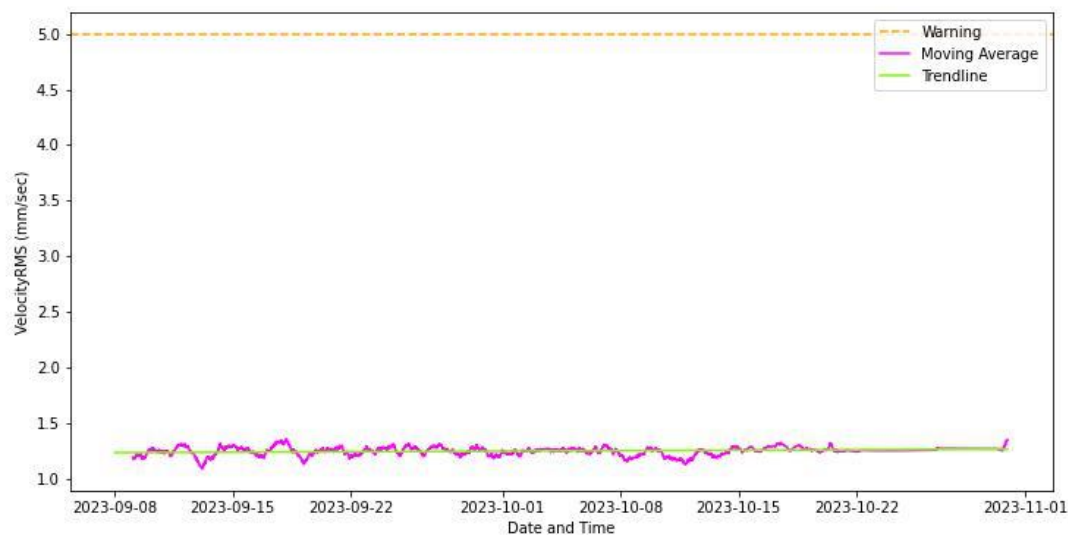
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Radial Vertical:



Observations:

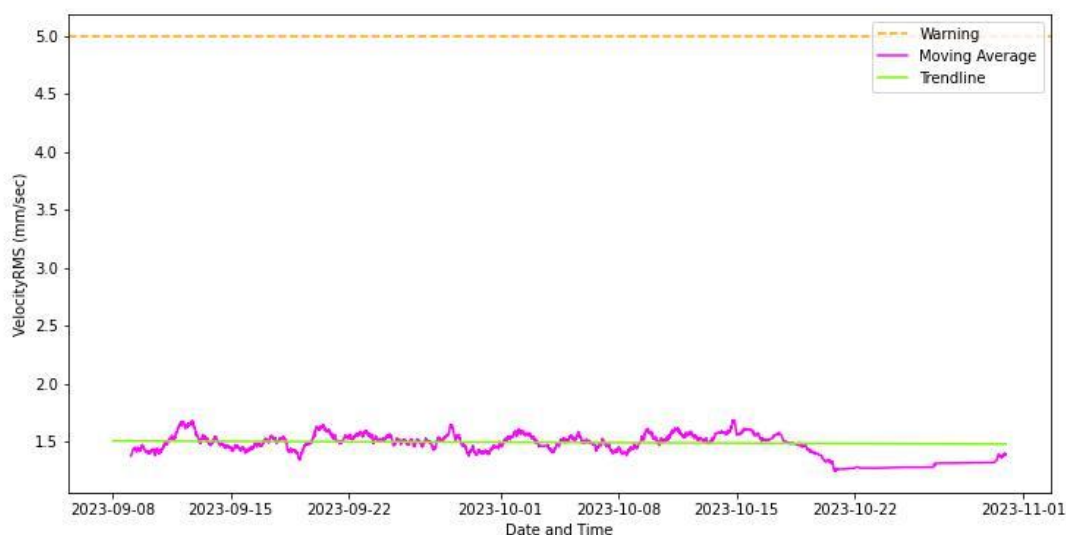
- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

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Velocity RMS Data Summary - Radial Horizontal:



Observations:

- Moving average trend appears to be normal and within ISO threshold limit during the process.
- No clear trend is observed in the VRMS trend rate chart over the period

Remarks	<ul style="list-style-type: none"> • Overall condition of the machine/motor's condition is good as the vibration data are observed within ISO threshold limit. • To enable detailed analysis and fault alerts, machine parameters related to rpm, bearing, and gear are required.
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