PdM Solutions of San Antonio, Inc

Vibration Analysis Summary

Plant Name	Sanderson Farm
Location	Oakwood, TX
Date	July 14, 2025

ID#	Equipment		Note
HM#1	H/M Champion HM44-48		
	Motor Toshiba 400HP/4P		
HM#2	H/M Champion HM44-48		High mill vibration observed. Data showed signs of looseness/unbalancing. Tighten all anchoring bolts/nuts/anchoring. Check mills drum/blades for possible unbalancing.
	Motor Toshiba 400HP/4P		
HM#3	H/M Champion HM44-48		High hammer mill's pillow block bearing noise continued and trending higher. Data showed damages on raceways and/or retainer.se up the bearings. These bearings are not reliable for long term, continuous operation.
	Motor Toshiba 400HP/4P		High motor bearings vibration continued and trending higher. Grease up bearings.
#1 Pellet Mill	CPM 7700-9000		
	Motor Toshiba 600HP/4P		
#2 Pellet Mill	CPM 7700-9000		
	Motor Toshiba 600HP/4P		
#1 Cooler Fan	Industrial Air 540		
	Motor Baldor 200HP/4P		
#2 Cooler Fan	Industrial Air 540		
	Motor Toshiba 200HP/4P		
Truck receiving Gear	Euro Drive MG3LHF09		
	Motor Reliance 200HP/4P		
Rail receiving Gear	Euro Drive MG3LHF09		
	Motor Reliance 200HP/4P		

Warning Flag Notation

Flag Type	Reliability Assessments
Normal	Reliable
Showed sign of problem(s)	Reliable, but concern(s) existed.
Progresses problem(s)	Not reliable for continuous operation.
Critical	Unsafe to operate

Next Inspection: In 6 months. January 2026

PdM Solutions of San Antonio, Inc
Vibration analysis, Thermal imaging, oil analysis ,laser alignment
Phone:(210)492-8363 Fax:(509)275-7676

Vibration Analysis Cover Sheet

1. Machinery Information.

Plant	Sanderson Farms	Location.	Oakwood, TX
Contract No.	Oakwood F/M Plant	Date	July 14, 2025
Unit ID#	#2 Hammer Mill		
Model	Champion HM 44-48 S/N 442269-2014		
Drive	Direct Drive	Pump Speed	100%(1800RPM)
Motor BHP-RPM	400 HP-4P-VFD	Motor Manufacturer	Toshiba-TEFC TKKH 4F4400L180014
Motor Bearing-Drive	6320C3	Motor Bearing-Open	6320C3
Data Taken by	Scott Brown/PdM Solutions	Data Analyses by	Scott Brown/PdM Solutions
Service History			

2. Result

		Comment
Hammer Mill		High hammer mill vibration observed. Data showed signs of looseness/unbalancing at the base of the mill and unbalancing of mill's blades.
Motor		
Alignment		

Warning Flag Notation

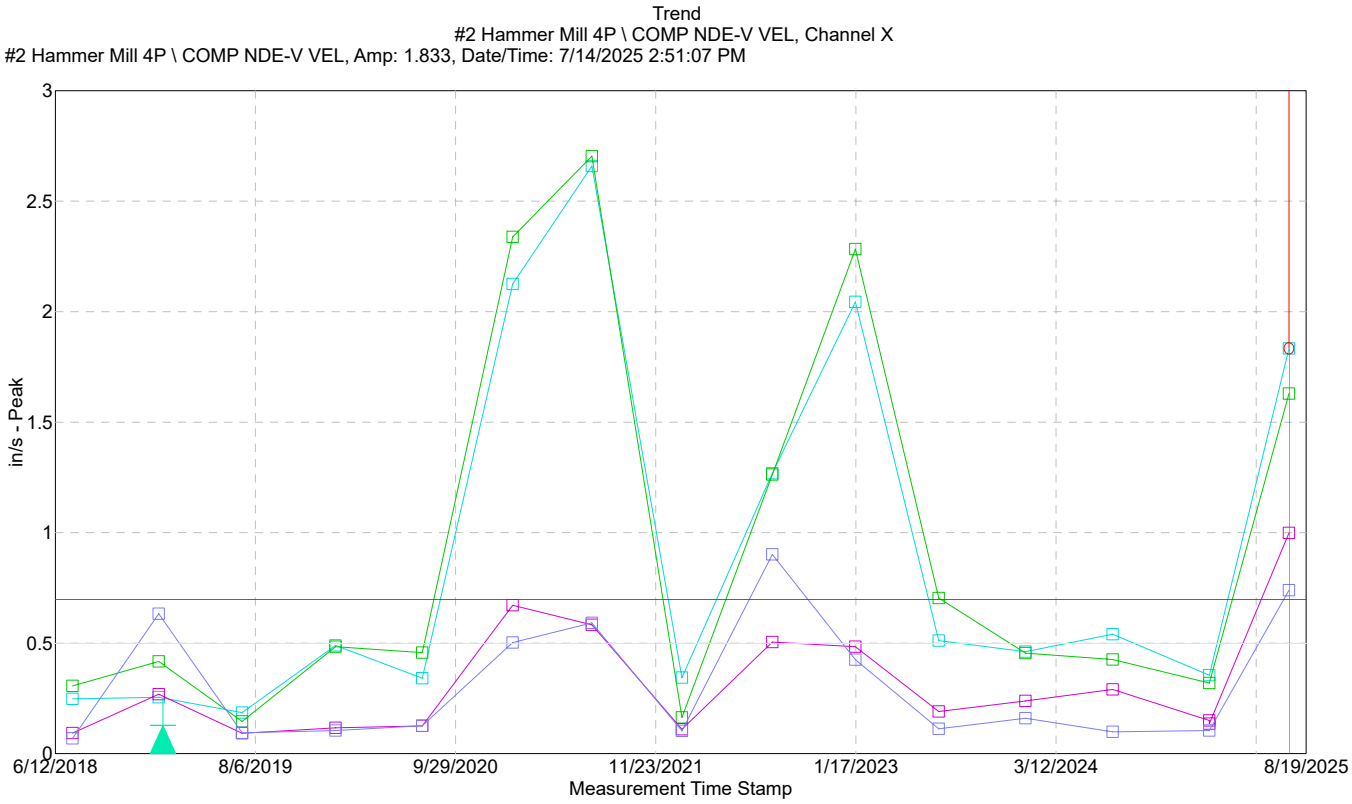
Flag Type		Reliability Assessments
	Normal	Reliable
	Showed a sign of problem(s)	Reliable, but concern(s) existed.
	Progresses problem(s)	Not reliable for continuous operation.
	Critical	Unsafe to operate

Inspection Note

3. Recommendation
   - Tighten all anchoring/nuts/bolts.
   - Check the mill's rotors and blades for possible unbalancing source.

4. Attachment
   - Vibration last measurement report.
   - Vibration trend data…Mill vibration.

5. Next Inspection. In (6) months, **January 2026**


Trend
#2 Hammer Mill 4P \ COMP NDE-V VEL, Channel X
#2 Hammer Mill 4P \ COMP NDE-V VEL, Amp: 1.833, Date/Time: 7/14/2025 2:51:07 PM
in/s - Peak
3
2.5
2
1.5
1
0.5
0
6/12/2018
8/6/2019
9/29/2020
11/23/2021
1/17/2023
3/12/2024
8/19/2025
Measurement Time Stamp

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Vibration Analysis Cover Sheet

1. Machinery Information.

Plant	Sanderson Farms	Location.	Oakwood, TX
Contract No.	Oakwood F/M Plant	Date	July 14, 2025
Unit ID#	#3 Hammer Mill		
Model	Champion HM 44-48 S/N 442270-2014		
Drive	Direct Drive	Mill Speed	68%(1215RPM)
Motor BHP-RPM	400 HP-4P-VFD	Motor Manufacturer	Toshiba-TEFC TKKH 4F4400L180014
Motor Bearing-Drive	6320C3	Motor Bearing-Open	6320C3
Data Taken by	Scott Brown/PdM Solutions	Data Analyses by	Scott Brown/PdM Solutions
Service History			

2. Result

		Comment
Hammer Mill		Higher bearing noise continued and trending higher. Data showed bearing damages such as pitting on the raceways and/or worn out retainer.
Motor		High mill bearings vibration continued. Data showed signs of lack of lubrication and/or slight damage on bearing raceways.
Alignment		

Warning Flag Notation

Flag Type	Reliability Assessments
Normal	Reliable
Showed a sign of problem(s)	Reliable, but concern(s) existed.
Progresses problem(s)	Not reliable for continuous operation.
Critical	Unsafe to operate

Inspection Note

- High hammer mill's drive end bearing noise continued and trending higher.
- Mill bearings show signs of lack of lubrication.
- Mill motor bearings showed signs of lack of lubrication.

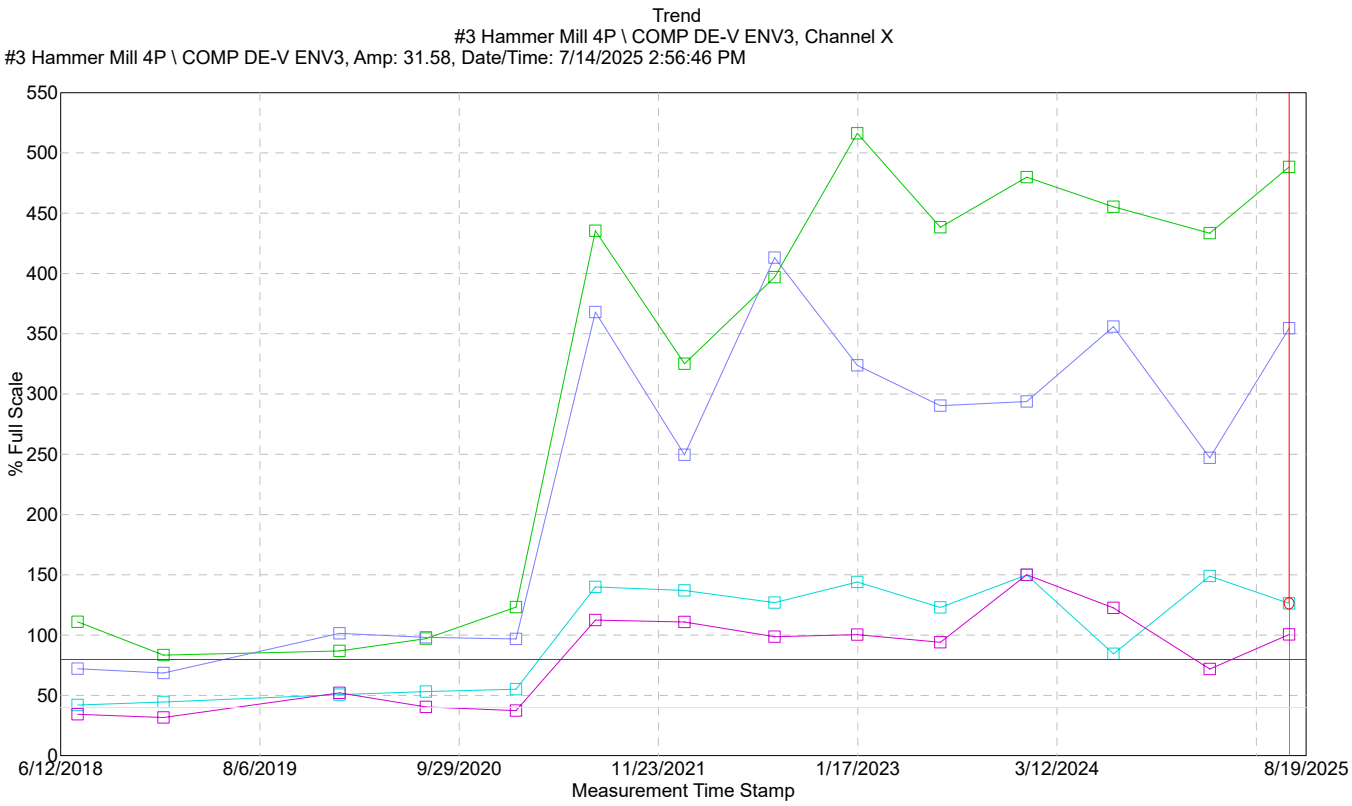
3. Recommendation

- Grease up the hammer mills bearings.
- Hammer mills drive end bearings are not reliable for continuous operation.
- Grease up motor bearings.

4. Attachment

- Vibration last measurement report.
- Vibration trend data…HM drive end bearing noise

5. Next Inspection. In (6) months, **January 2026**


Trend
#3 Hammer Mill 4P \ COMP DE-V ENV3, Channel X
#3 Hammer Mill 4P \ COMP DE-V ENV3, Amp: 31.58, Date/Time: 7/14/2025 2:56:46 PM
% Full Scale
550
500
450
400
350
300
250
200
150
100
50
0
6/12/2018
8/6/2019
9/29/2020
11/23/2021
1/17/2023
3/12/2024
8/19/2025
Measurement Time Stamp