



PdM Solutions of San Antonio, Inc

Vibration Analysis Summary

Plant Name	Sanderson Farm Easterly Feed Mill plant
Location	Franklin, TX
Date	July 15, 2025

<u>ID#</u>	<u>Equipment</u>		<u>Note</u>
HM#1	H/M Champion HM44-48		
	Motor Toshiba 400HP/4P		
HM#2	H/M Champion HM44-48		
	Motor Baldor 400HP/4P		
HM#3	H/M Champion HM44-48		
	Motor Toshiba 400HP/4P		
#1 Pellet Mill	CPM 7700-9000		
	Toshiba 600HP/4P		
#2 Pellet Mill	CPM 7700-9000		
	Motor Toshiba 600HP/4P		
#1 Cooler Fan	Industrial Air Tech 445		Higher motor's bearing noise continued and trending higher. Data showed bearing defects on raceways and/or roller/balls.
	Motor Baldor 200HP/4P		
#2 Cooler Fan	Industrial Air Tech 445		Motor vibration jumped. Data showed signs of looseness/unbalancing. Check vibration isolation absorber for loose items such as bolts/nuts/springs. Tighten all anchoring/nuts/bolts.
	Motor Baldor 200HP/4P		
#1 Rail receiving gear box	Dodge Gear Box		
	Reliance 75HP/4p		
#1 Truck receiving gear box	Dodge Gear Box		
	Reliance 75HP/4p		
#2 Rail receiving gear box	Euro Gear Box		
	Reliance 75HP/4p		
#3 Rail receiving gear box	Euro Gear Box		
	Reliance 75HP/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



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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.	Franklin, TX
Contract No.	Easterly F/M	Date	January 7, 2025
Unit ID#	#1 Cooling Fan		
Model	Industrial Air Technology Size 445 RTF-SW Class 18		
Drive	V Belt Drive	Drive/Driven Speed	1775/1045 rpm
Motor BHP-RPM	200 HP4P/445T	Motor Manufacturer	Reliance-TEFC
Motor Bearing-Drive	110RU02M30X /NU222	Motor Bearing-Open	90BCO3J30X(6318C3)
Note	Unit mounted on vibration isolation damper		
Data Taken by	Scott Brown/PdM Solutions	Data Analyses by	Scott Brown/PdM Solutions
Service History			

2. Result

		Comment
Fan		
Motor		Higher motor bearing noise continued. Data continued to show defects on bearings raceways and/or ball/roller.
Pillow Block Bearings		

Warning Flag Notation

Flag Type	Reliability Assessments	ANSI/AMCA 204-5 BV-3(Less than 400HP)
Normal	Reliable	0.25ips
Showed a sign of problem(s)	Reliable, but concern(s) existed.	0.5ips
Progresses problem(s)	Not reliable for continuous operation.	0.65ips
Critical	Unsafe to operate	0.7ips

Inspection Note

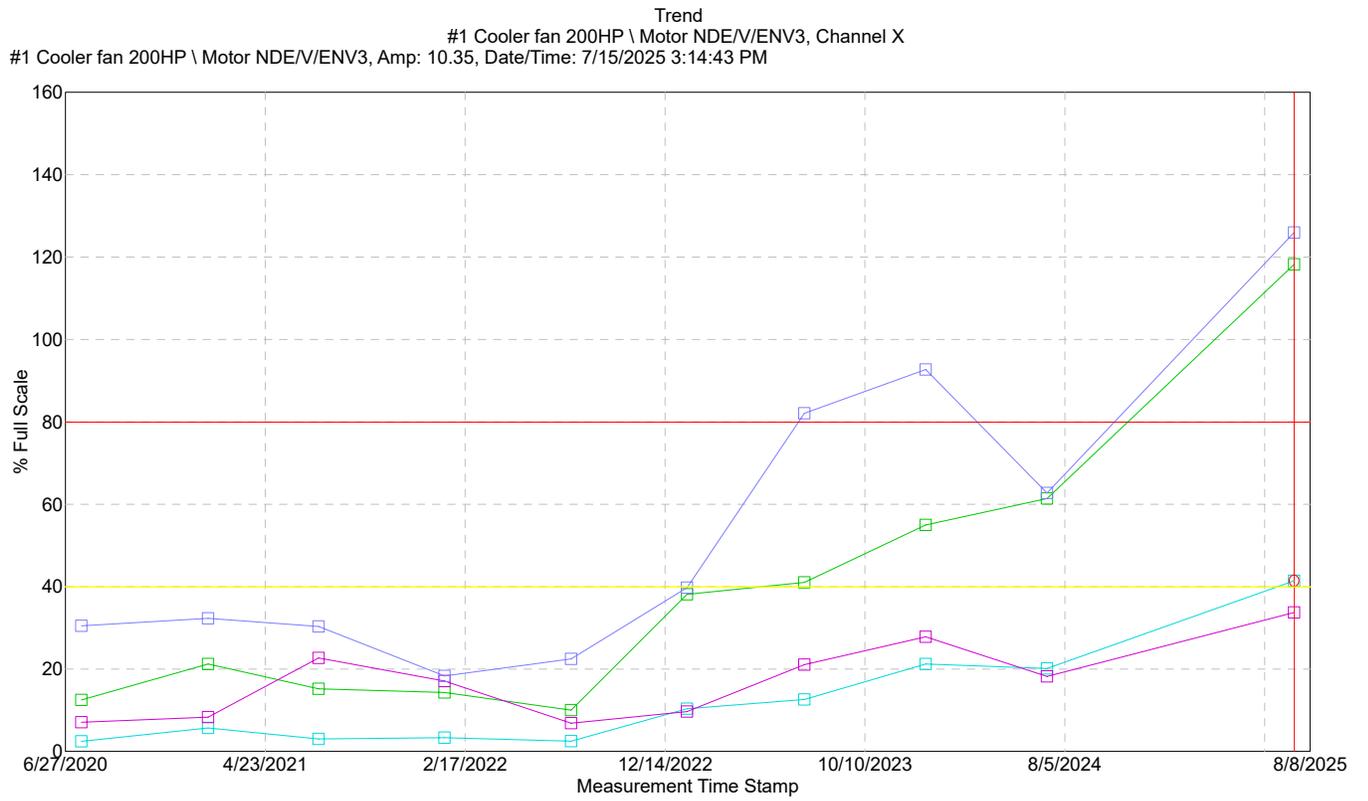
3. Recommendation

- Grease up the motor bearings
- Carefully monitor the motor bearings for sudden bearings condition changes such as louder noise and higher bearing temperature.

4. Attachment

- Vibration last measurement report
- Vibration trend data...motor bearing

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





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Vibration Analysis Cover Sheet

1. Machinery Information.

Plant	Sanderson Farms	Location.	Franklin, TX
Contract No.	Easterly F/M	Date	July 15, 2025
Unit ID#	#2 Cooling Fan		
Model	Industrial Air Technology Size 445 RTF-SW Class 18		
Drive	V Belt Drive	Drive/Driven Speed	1775/1045 rpm
Motor BHP-RPM	200 HP4P/445T	Motor Manufacturer	Baldor-TEFC
Motor Bearing-Drive	90BCO3J30X(6318C3)	Motor Bearing-Open	90BCO3J30X(6318C3)
Note	Unit mounted on vibration isolation damper		
Data Taken by	Scott/PdM Solutions	Data Analyses by	Hank/PdM Solutions
Service History			

2. Result

		Comment
Fan		
Motor		Motor vibration jumped. Data showed signs of looseness/unbalancing.
Pillow Block		
Bearings		

Warning Flag Notation

Flag Type	Reliability Assessments	ANSI/AMCA 204-5 BV-3(Less than 400HP)
Normal	Reliable	0.25ips
Showed a sign of problem(s)	Reliable, but concern(s) existed.	0.5ips
Progresses problem(s)	Not reliable for continuous operation.	0.65ips
Critical	Unsafe to operate	0.7ips

Inspection Note

3. Recommendation

- Check vibration absorber underneath the unit for looseness/damages such as loose bolts/nuts and/or cracked springs.
- Tighten all bolts/nuts/anchoring.

4. Attachment

- Vibration last measurement report
- Vibration trend data...motor vibration.

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

Trend
#2 Cooler Fan 200HP \ Motor NDE/H/VEL, Channel X
#2 Cooler Fan 200HP \ Motor NDE/H/VEL, Amp: 0.9614, Date/Time: 7/15/2025 3:17:54 PM

