

		Equipment Description:	
		Equipment Number	
		Manufacturer:	
		Horsepower	
		Speed:	
		Belts	
		Sheaves:	
Manufacturer	Model No.	Bearings:	
Issue: Damaged Bearings on Fan		Checkbox	Things to consider
1	Belt Drive Misaligned		Sheaves are equal width and properly aligned. Check side wall alignment.
2	Improper Lubrication		Correct lubrication being used, proper methods being used, and proper amount being used. Review current practices with manufacturer recommendations.
3	Bent Shaft		Check bearing mounts for undue stress. Misaligned ductwork can be a cause. Flex connection is correct for expansion. Is the shaft sagging from being idled without rotation?
4	Inlet Blockage		Pluggage, partially closed damper on inlet fan causing the fan blades to deflect.
5	Worn Coupling		Use vibration analysis for determining if the coupling is worn. Poor lubrication practices can cause accumulation and unbalance.
6	Resonance Effect		Resonance effect is caused by energy which excites the fan causing vibration.
7	Fan turning incorrect direction		Check fan direction. Have electrician check the leads.
8	Over tightened belts		Rule of thumb. At the center of the belt between the drives, 1/64" per inch of span would be correct.
9	Proper Bearing Installation		Check the bearing and shaft for damage due to improper installation, bearing movement (vertical and horizontal) and proper grease port.
10	Foundation/ Footing issues		Check foundation for cracks, breaks or damage. Check for soft foot and properly shim.