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Purpose: To perform AH-2 preventive maintenance.

Required PPE:



Safety Glasses



Hearing Protection



Steel Toed Shoes



Air Handler AH-2

Potential Hazards:



The air handlers have rotating components. Keep hands clear unless the unit is off and locked out and tagged out.



Electrical shock hazards exist when working on these units. As this is a running PM, it should not be necessary to access any live electrical circuitry during the performance of this PM. Do not open electrical access panels unless the unit is locked out and tagged out.


PM Type: Routine, Running


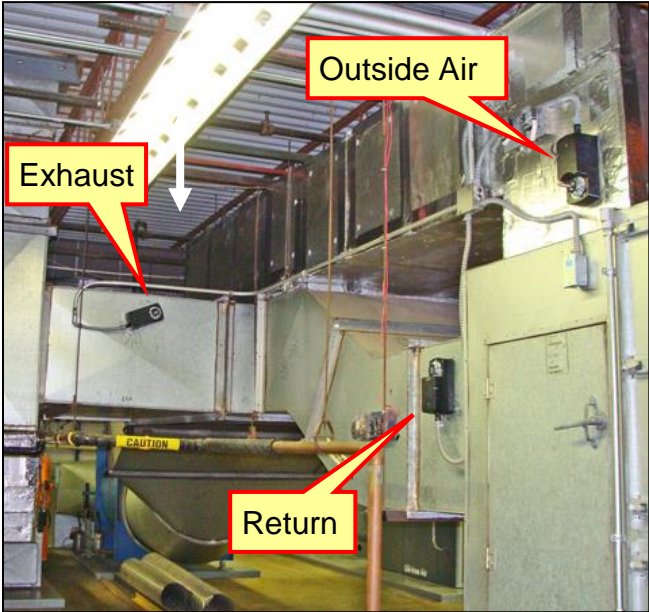
Reference Documents: None

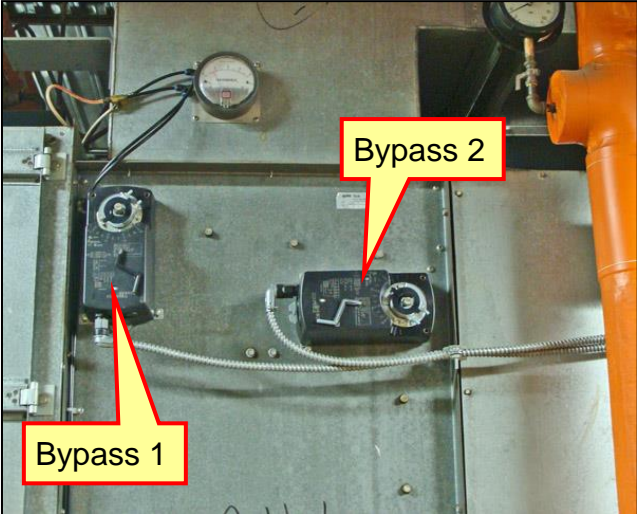
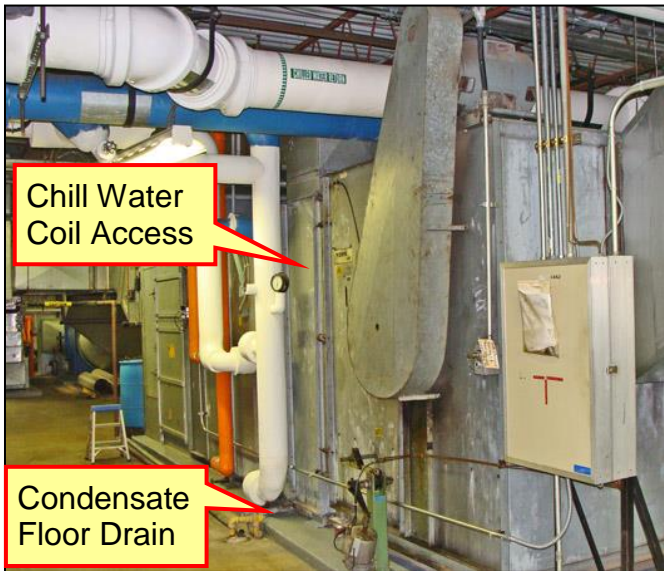
Required Equipment & Materials:


- Standard preventive maintenance tool kit
- Rags for cleaning
- Spray lithium grease
- Fan bearing grease gun (Mobilith SCH-220)



SAMPLE PROCEDURE ONLY – DO NOT USE FOR EQUIPMENT OPERATION		
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Steps	Awareness
Lubricate the Return Fan	
<ol style="list-style-type: none"> Slowly pump 3 shots of grease into the return fan bearing grease fittings (2). Wipe off the grease fittings with a clean rag. 	<p>Use Mobilith SCH-220 Grease</p> 
Service Air Handler Exhaust, Return, and Outside Air Dampers	
<ol style="list-style-type: none"> Lubricate, clean and check the operation of the air dampers as follows: <ul style="list-style-type: none"> With the exception of the exhaust dampers, wipe down the wiper blades as needed. Visually check that damper blade edge seals are in place. With the exception of the exhaust dampers, use lithium spray grease to lubricate the damper pivot points and linkage. Check that the dampers operate smoothly. 	

Steps	Awareness
<p>Service Bypass Air Dampers</p> <p>4. Lubricate, clean and check the operation of the bypass air dampers as follows:</p> <ul style="list-style-type: none"> • Wipe down the wiper blades as needed. • Visually check that damper blade edge seals are in place. • Use lithium spray grease to lubricate the damper pivot points and linkage. • Check that the dampers operate smoothly. 	
<p>Service Chill Water Coil</p> <p>5. Remove any buildup on the chill water coil fins.</p> <p>6. Check the coil for leaks.</p> <p>7. Check the chill water coil condensate drain pan and lines for the following:</p> <ul style="list-style-type: none"> • No sludge, foreign material or biological growth in the pan. • Pan discharge drain is clear. • No drainage line damage or blockage <p>8. Check that the condensate floor drain is clear.</p>	

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Steps	Awareness
Service Hot Water Coil	
9. Remove any buildup on the hot water coil fins. 10. Check the coil for leaks.	
Lubricate the Supply Fan	
11. Slowly pump 3 shots of grease into the supply fan bearing grease fittings (2). 12. Wipe off the grease fittings with a clean rag.	<p style="text-align: center;">Use Mobilith SCH-220 Grease</p> 

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Steps	Awareness
General Inspection	
13. Walk around the unit and verify that: <ul style="list-style-type: none"> • All access panels and attaching hardware are in place. • All doors are shut and latched. • All external wiring, electrical components are secure and not damaged. 	

