

Presented by:

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Major issues to watch for:

- i. Excessive ice or material build up
- ii. Corrosion of tubes, fins, or connections
- iii. Exceeding MAWP hydraulic shock or trapped liquid
- iv. Fan vibration and integrity
- v. Refrigerant distribution tubes rubbing
- vi. Integrity of housing, unit supports and piping supports
- vii. Protection against traffic hazards
- viii. Electrical issues with motors and wiring
- ix. Missing fan guards
- x. Suitable for operating conditions





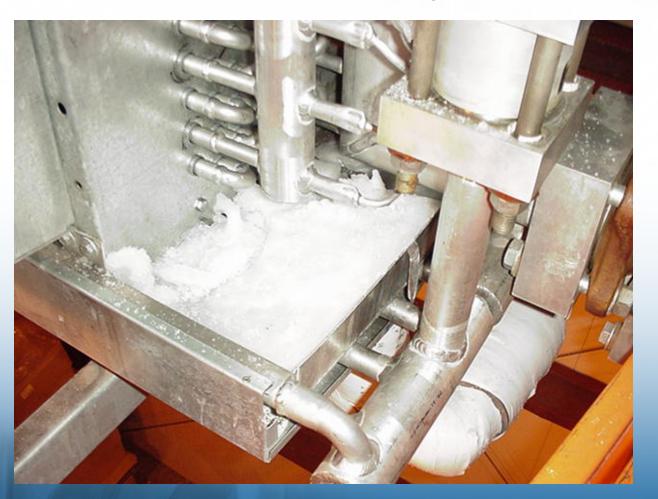
Excessive ice or material build up







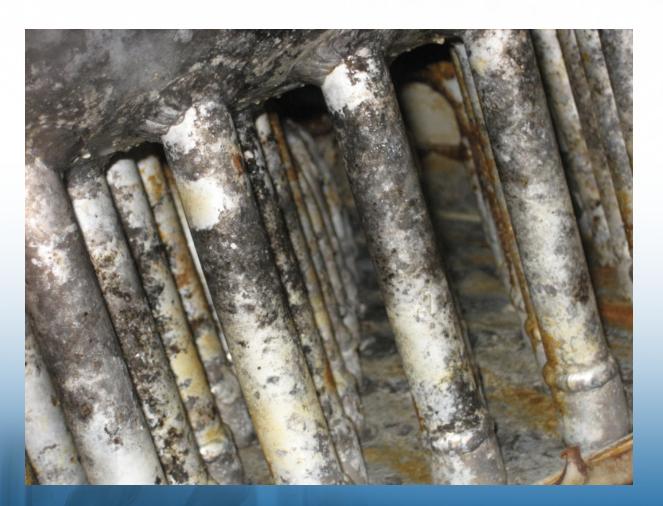
Excessive ice or material build up







Corrosion of tubes, fins, or connections







Corrosion of tubes, fins, or connections







Exceeding coil MAWP- hydraulic shock or trapped liquid







Exceeding coil MAWP- hydraulic shock or trapped liquid

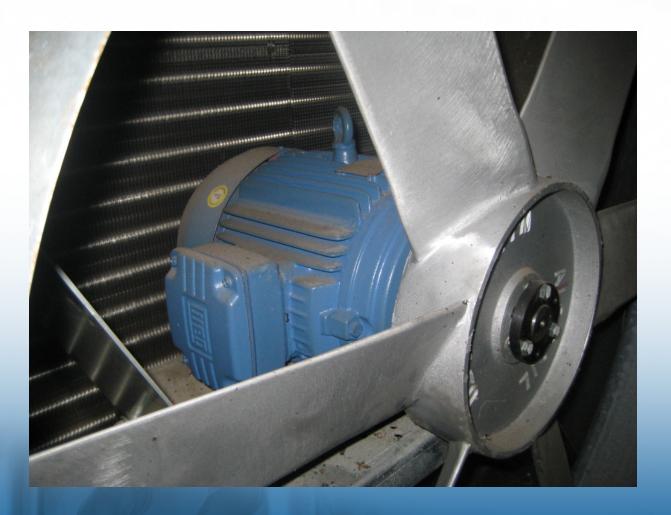


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Fan Vibration







Fan Vibration



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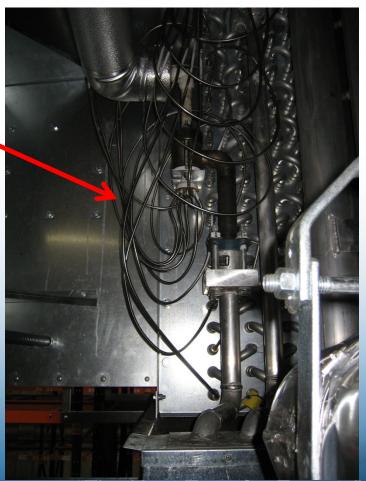




Refrigerant Distributor Tubes Rubbing

Distributor tubes ·





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Refrigerant Distributor Tubes Rubbing

Check for signs of rubbing







Integrity of Unit and Piping Supports

Unit Supports

Piping Supports



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Integrity of Unit and Piping Supports



Improper Supports





Protection Against Traffic Hazards



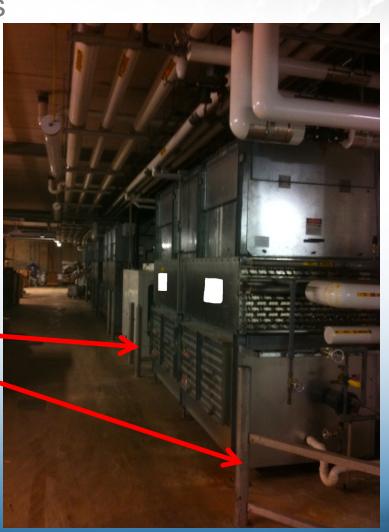
Barrier on Floor





Protection Against Traffic Hazards

Guarding for Lift Truck
Traffic

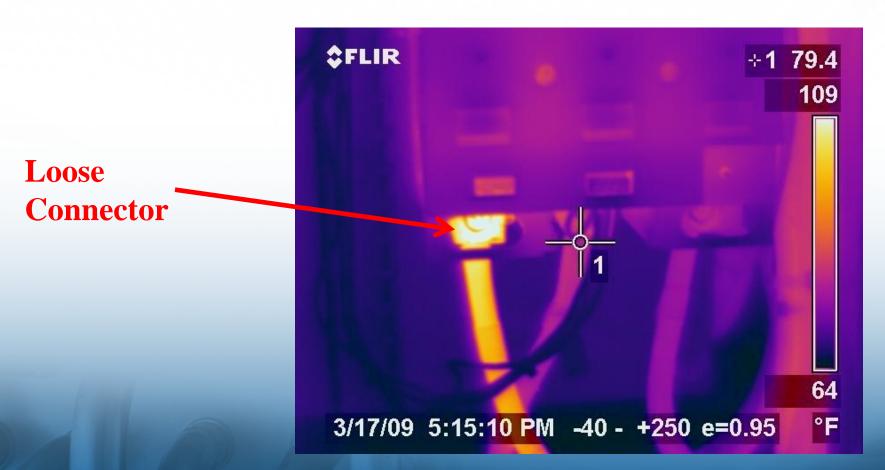


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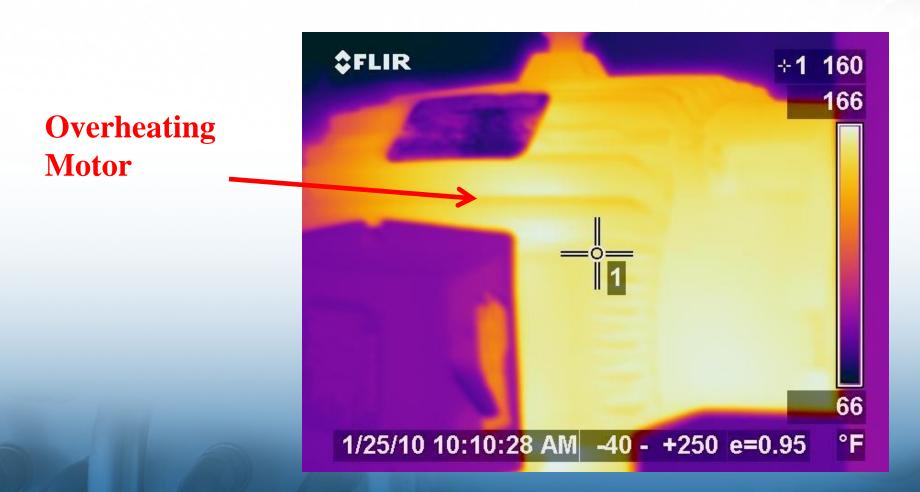
Electrical Overloads, Wiring







Electrical Overloads, Motors







Missing Fan Guards







Suitable for Operating Conditions

Check
nameplate data
for suitable
operating
conditions

SPO #	MFR I	DATE
S/N:	CRN *	
TAG		
MODEL		
REFRIGERANT	MAWP	MDMT
	אחדים מוסמו ווד-	A STATE OF THE STA
MOTOR QTY	HP EACH	RPM
VOLTS	PHASE	HZ
FLA EACH	INTERNAL	LY PROTECTED
	TYPE DEFROST:	
ELECTRIC AIR	HOT GAS WATE	ER GPM REQ'D
	ELECTRIC DEFROS	T:
VOLTS WA	ATTS AMP	S PHASE
	REPLACEMENT PAR	TS:
MOTOR	COIL. HTR	PAN HTR
FAN	FAN GU	ARD



Typical manufacturer's recommendations, annually:

- Clean the coil surface.
- Inspect defrost drain pan. Clean if necessary. Check for proper drainage.
- For Water Defrost, inspect water defrost distribution pans. Clean if necessary.
- Inspect all insulated and uninsulated lines connected to the unit.
- Check all wiring & tighten all electrical connections.
- Check all motors and fans, tightening when necessary all motor mounting bolts and fan set screws.
- Check operation of control system and proper functioning control valves, drain line heaters, thermostats, etc.
- Check that all safety controls are operating appropriately.
- The units should be periodically checked for proper defrosting and defrost timing due to variations in the quantity and pattern of frost.



Reference materials:

- Manufacturer's IOMs
- IIAR Bulletin No. 109
- IIAR 2
- ASME B31.5
- ASHRAE Standard 15
- ANSI / IIAR Standards