YORK®

BY JOHNSON CONTROLS

YIA ABSORPTION LIQUID CHILLER LOG SHEETS

...an Energy-Saving approach to your Service needs...

Issue Date:
July 31, 2013

Form 155.16-MR1 (713)
Supersedes 155.16-MR1 (611)

YORK
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MAINTENANCE REQUIREMENTS FOR YORK YIA CHILLERS

Procedure	Daily	Monthly	Yearly	Other
Record operating conditions (on applicable Log Form).	X			
Record liquid sight glass levels.	X			
Perform test vacuum pump - Replace oil as necessary.		X		
Inspect vacuum pump drive belt - replace or tighten as needed.		X		
Leak check and repair leaks as needed[1, 2].				
Verify proper operation/setting/calibration of safety controls[1].		X		
Check and tighten all electrical connections.			X	
Open and inspect purge pump check valve. Clean or replace as necessary.			X	
Check level of unit.			X	
Perform solution analysis[1, 3]. Make corrections as required.				
Inspect tubes. Clean as needed.			X	

For operating and maintenance requirements listed above, refer to appropriate service literature, or contact your local Johnson Controls Service Office. A record of all procedures being successfully carried out (as well as operating logs) must be maintained on file by the equipment owner should proof of adequate maintenance be required at a later date for warranty validation purposes.

[1] This procedure must be performed at the specified time interval by an Industry Certified Technician who has been trained and qualified to work on this type of YORK equipment.

[2] Leak test machine as needed. Leak testing required only when non-condensable production is elevated and the inhibitor levels are within their control ranges.

[3] Minimum twice each cooling season. Once at start-up and once in the middle. Analysis must be performed by a Johnson Controls approved laboratory.

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Chiller Location _____

System No. _____

Date								
Time								
Hour Meter Reading								
O.A. Temperature Dry Bulb / Wet Bulb			/	/	/	/	/	/
Absorber		Solution Discharge Temperature						
		Pressure (mm Hg Abs)						
		Solution Concentration (%)						
		Solution Spray Temperature						
		Solution Level	○	○	○	○	○	○
Evaporator	Liquid	Supply Temperature						
		Supply Pressure						
		Return Temperature						
		Return Pressure						
		Refrigerant Specific Gravity						
		Refrigerant Temperature						
		Flow Rate - GPM (If equipped)						
Condenser	Refrigerant	Pressure (mm Hg Abs)						
		Refrigerant Return Temperature						
	Liquid	Supply Temperature						
		Supply Pressure						
		Return Temperature						
		Return Pressure						
		Flow Rate - GPM (If equipped)						
Heat Exchanger		Solution Temperature						
Charge Amounts		Solution (Gal)						
		Refrigerant (Gal)						
Steam Inlet		Supply Pressure (PSIG)						
		Supply Temperature						
		Leaving Condensate Temperature						
Control Valve		Total Stroke (mm)						
		Minimum Stroke (mm)						
		Minimum Opening (% Open)						
Condensate		Flow Rate (lbs/hr or GPM)						
		Return Temperature						
		Return Pressure (PSI)						

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(CONT'D)

Date								
Generator		Solution In						
		Solution Out						
		Generator Pressure (mm Hg Abs)						
		Concentration (%)						
Pumps	Solution Pump	Voltage						
		Amperage						
		Discharge Pressure (psi/in Hg)						
	Refrigerant Pump	Voltage						
		Amperage						
		Discharge Pressure (psi/in Hg)						
Hot Water (If applicable)		Hot Water Supply Temperature						
		Hot Water Return Temperature						
		Flow Rate (GPM)						

Remarks: _____

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