YORK®

BY JOHNSON CONTROLS

YMC² MOD B CENTRIFUGAL

LIQUID CHILLER LOG SHEETS

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

Form 160.84-MR1 (813)
New Release

Issue Date:
August 30, 2013

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MAINTENANCE REQUIREMENTS FOR YORK YMC² CHILLERS

Procedure	Daily	Weekly	Monthly	Yearly	Other
Record operating conditions (on applicable Log Form)	X				
Check refrigerant levels		X			
Check operation of motor starter			X		
Check three-phase voltage and current balance			X		
Verify proper setting of programmable setpoints[1]			X		
Verify condenser and evaporator water flows			X		
Leak check and repair leaks as needed[1]			X		
Check and tighten all electrical connections				X	
Megohm motor windings				X	
Clean or backflush VSD heat exchanger				X	
Replace VSD coolant				X	
Perform refrigerant analysis[1]				X	
Clean tubes				X[2]	
Perform Eddy current testing and inspect tubes					2-5 Years

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] More frequent service may be required depending on local operating conditions.

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CENTRIFUGAL
LIQUID CHILLER LOG SHEET

Chiller Location_____
System No._____

DATE										
TIME										
Hour Meter Reading										
O.A. Temperature Dry Bulb / Wet Bulb		/	/	/	/	/	/	/	/	/
Compressor	Discharge Temperature									
Motor	Input Power									
	% Input FLA									
	% Motor FLA									
	DC Bus Voltage									
Magnetic Bearing Controller	Motor Housing Temperature									
	Rotor Elongation									
Evaporator – Refrigerant	Evaporator Pressure									
	Corrsponding Temperature									
	Small Temperature Difference									
Evaporator – Liquid	Supply Temperature									
	Supply Pressure									
	Return Temperature									
	Return Pressure									
	Flow Rate - GPM (If equipped)									
Condenser – Refrigerant	Condenser Pressure									
	Corresponding Temperature									
	Drop Leg Temperature									
	Small Temperature Difference									
	Refrigerant Level									
Condenser – Liquid	Supply Temperature									
	Supply Pressure									
	Return Temperature									
	Return Pressure									
	Flow Rate - GPM (If equipped)									
Capacity Control	VSD Command									
	VGD Command									
	HGBP Command (If equipped)									

Remarks: _____

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