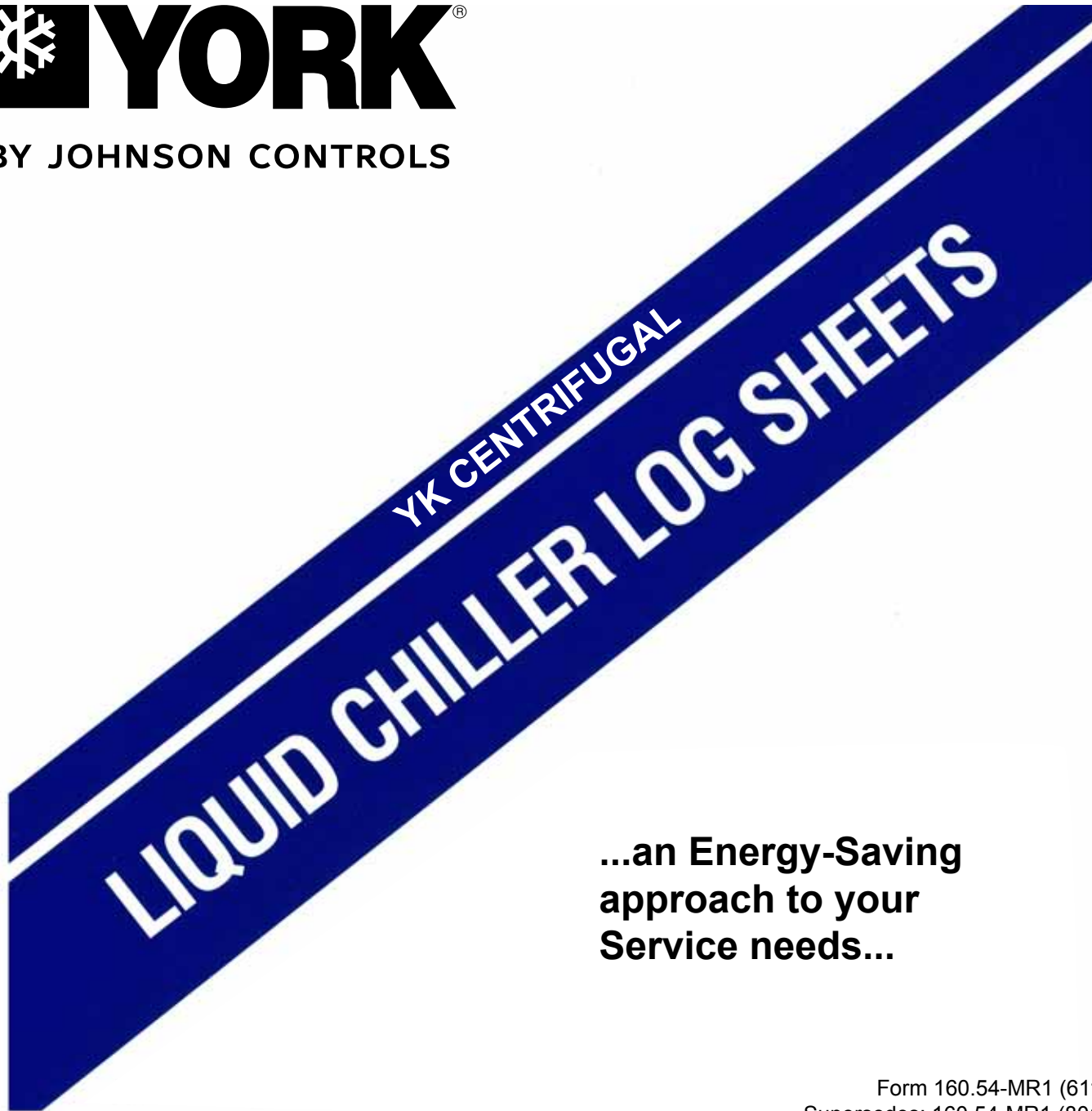




BY JOHNSON CONTROLS



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

Issue Date:  
June 30, 2011

Form 160.54-MR1 (611)  
Supersedes: 160.54-MR1 (801)



BY JOHNSON CONTROLS

## MAINTENANCE REQUIREMENTS FOR YORK YK CHILLERS

Procedure	Daily	Weekly	Monthly	Yearly	Other
Record operating conditions (on applicable Log Form)	X				
Check oil levels	X				
Check refrigerant levels		X			
Check oil return system operation			X		
Check operation of motor starter			X		
Check sump heater and thermostat operation			X		
Check three-phase voltage and current balance			X		
Verify proper operation/setting/calibration of safety controls <sup>1</sup>			X		
Verify condenser and evaporator water flows			X		
Leak check and repair leaks as needed <sup>1</sup>			X		
Check and tighten all electrical connections				X	
Megohm motor windings				X	
Replace oil filter and oil return filter/driers				X	
Clean or backflush heat exchanger (VSD, SSS Applications)				X	
Replace starter coolant (VSD, SSS Applications)				X	
Replace or clean starter air filters if applicable				X <sup>2</sup>	
Perform oil analysis on compressor lube oil <sup>1</sup>				X	
Perform refrigeration analysis <sup>1</sup>				X	
Perform vibration analysis				X	
Clean tubes				X <sup>2</sup>	
Perform Eddy current testing and inspect tubes					2-5 Years
Lubricate motor	Refer to motor manufacturer's recommendations				

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.

<sup>1</sup> 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.

<sup>2</sup> More frequent service may be required depending on local operating conditions.



# CENTRIFUGAL LIQUID CHILLER LOG SHEET

Chiller Location \_\_\_\_\_  
System No. \_\_\_\_\_

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DATE										
TIME										
Hour Meter Reading										
O.A. Temperature Dry Bulb / Wet Bulb		/	/	/	/	/	/	/	/	/
Compressor	Oil Level									
	Oil Pressure									
	Oil Temperature									
	Oil Pump Motor Speed (If applicable)									
	Discharge Temperature									
	PRV % Open									
Motor	Volts									
	Amps									
Evaporator	Refrigerant	Suction Pressure								
		Corrponding Temperature								
		Small Temperature Difference								
	Liquid	Supply Temperature								
		Supply Pressure								
		Return Temperature								
		Return Pressure								
		Flow Rate - GPM (If equipped)								
Condenser	Refrigerant	Discharge Pressure								
		Corresponding Temperature								
		Subcooler Liquid Temperature								
		Small Temperature Difference								
		Refrigerant Level								
	Liquid	Supply Temperature								
		Supply Pressure								
		Return Temperature								
		Return Pressure								
		Flow Rate - GPM (If equipped)								

Remarks: \_\_\_\_\_  
\_\_\_\_\_