



# ABSORPTION AIR CONDITIONING AND REFRIGERATION LOG

**ADDITIONAL LOG(S) REQUEST TO:** Engineering Department, The Hartford Steam Boiler Inspection and Insurance Company,  
One State Street, P.O. Box 5024, Hartford, CT 06102-5024.

Think Ahead®

Please specify which log and how many copies per log.

MANUFACTURER										LOCATION					NUMBER			SIZE		
DATE OR TIME	AIR TEMPERATURE		MACHINE'S ABSOLUTE PRESSURE	WATER TEMPERATURE						GENERATOR Water Temperature or Steam Pressure	CAPACITY CONTROL VALVE POSITION	SOLUTION LEVEL IN ABSORBER	PURGE UNIT OPER. Time	SOLUTION ANALYSIS Date	MACHINE CHEMICAL ADDED INTERNALLY			INITIALS OF WATCH OR SHIFT ENGINEER	PERFORM THE FOLLOWING TESTS ANNUALLY	
	Out-side	Air Conditioned Space		Chilled		Absorber		Condenser							Type	Amount	Date			
				In	Out	In	Out	In	Out											
																				DATE CLEANED
																				DATE OF EDDY CURRENT TESTED
																				<b>Operating &amp; Safety Control Tests</b>
																				SETTING CONDITION
																				DATE TESTED & INITIALS
																				<b>LOW REFRIGERANT TEMPERATURE</b>
																				SETTING CONDITION
																			DATE TESTED & INITIALS	
																			<b>LOW CHILLED WATER TEMPERATURE</b>	
																			SETTING CONDITION	
																			DATE TESTED & INITIALS	
																			<b>FLOW SWITCHES</b>	
																			Chilled Water CONDITION	
																			Condenser Water CONDITION	
																			DATE TESTED & INITIALS	

### IMPORTANT INSTRUCTIONS:

For reliable and uninterrupted service the following maintenance items should be given attention as indicated:

#### Tubes:

- The water side surfaces should be cleaned **annually**.
- Eddy current analysis should be performed on condenser tubes within 3 to 5 years of service, and on evaporator tubes within 5 to 7 years of service. The detection of any wear, corrosion, or deterioration of tubes will determine when subsequent testing of the tubes should be performed.

#### LITHIUM BROMIDE SOLUTION

An analysis should be made twice a year by a testing laboratory that is thoroughly familiar with the chemistry of the solution in the machine.

#### CONTROLS:

All safety and operating controls should be tested **annually**, calibrated to design conditions and their set points recorded. Defective safety devices and controls should be replaced.

#### CANNED MOTOR PUMP UNIT:

Overhaul units after **3 years** of normal service. Examine, clean or replace seals, bearings, cooling and seal water passages. Other parts such as pump impeller, motor stator and rotor should be examined for defects and proper repairs or replacement made.

Use reverse side to remarks concerning: Service Company/Name and telephone number, Date of service call, Work performed, Date and time machine shutdown on safety control or solidification.