



# RECIPROCATING AIR CONDITIONING AND REFRIGERATION LOG

The Hartford Steam Boiler Inspection and Insurance Company, One State Street, P.O. Box 5024, Hartford, CT 06102-5024.

Think Ahead™

MANUFACTURER	NUMBER	SIZE <b>25 HP AND OVER</b>	LOCATION	REFRIGERANT "R"
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DATE	COMPRESSOR						MOTOR				CONDENSER TEMPERATURE				EVAPORATOR				INITIAL			
	OUT-SIDE TEMP.	Refrigerant				Oil		Phase				Water		Air		Chiller Water Temp.		Fan Coil Air Temp.				
		PRESSURE		TEMP.		PRESS.	LEVEL	1	2	3	In	Out	In	Out	In	Out	In	Out				
		Suct.	Disch.	Suct.	Disch.			Volts	Amps	Volts										Amps	Volts	Amps

LOG THIS INFORMATION DAILY

PERFORM THESE TESTS ANNUALLY

TUBES	
DATE CLEANED	
DATE OF EDDY CURRENT TEST	
<i>Operating &amp; Safety Control Tests</i>	
OIL PRESSURE SAFETY CONTROL	
SETTING	CONDITION
DATE TESTED & INITIALS	
LOW REFRIG. PRES./TEMP. SAFETY CONTROL	
SETTING	CONDITION
DATE TESTED & INITIALS	
LOW CHILLED WATER TEMPERATURE CONTROL	
SETTING	CONDITION
DATE TESTED & INITIALS	
FLOW/PRESSURE DIFFERENTIAL CONTROL	
Chilled Water	CONDITION
Condenser Water	CONDITION
DATE TESTED & INITIALS	

IMPORTANT

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

**Compressor:**  
Cylinder heads should be removed for examination of high stress parts at 10,000 operating hours or two years, whichever comes first. Replace springs, valves and other worn parts.

**Tubes:**  
1. The water side surfaces should be cleaned annually.  
2. Eddy current analysis should be performed after 3 years to determine any wear, corrosion or deterioration of the tubes (when construction of the shell and tubes permit). The results of this test determine when subsequent testing of the tubes should be performed.

**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.

**Oil/Refrigerant:**  
When oil or refrigerant is added record date and amount. Also indicate leak tests, repairs and adjustments. Oil samples should be taken and tested for physical and chemical properties.

- Use reverse side to record all service calls including:
1. Service Company/Name & Tel. No.
  2. Date of service call
  3. Work performed
  4. Date and time machine shut down on safety control.