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.

MANUFACTURER	NUMBER	SIZE	LOCATION	REFRIGERANT "R"
		25 HP AND OVER		

LOG THIS INFORMATION DAILY

DATE	COMPRESSOR: OUT-SIDE TEMP.	COMPRESSOR: Refrigerant PRESSURE Suct.	COMPRESSOR: Refrigerant PRESSURE Disch.	COMPRESSOR: Refrigerant TEMP. Suct.	COMPRESSOR: Refrigerant TEMP. Disch.	COMPRESSOR: Oil PRESS.	COMPRESSOR: Oil LEVEL	MOTOR: Phase 1 Volts	MOTOR: Phase 1 Amps	MOTOR: Phase 2 Volts	MOTOR: Phase 2 Amps	MOTOR: Phase 3 Volts	MOTOR: Phase 3 Amps	CONDENSER TEMPERATURE: Water In	CONDENSER TEMPERATURE: Water Out	CONDENSER TEMPERATURE: Air In	CONDENSER TEMPERATURE: Air Out	EVAPORATOR: Chiller Water Temp. In	EVAPORATOR: Chiller Water Temp. Out	EVAPORATOR: Fan Coil Air Temp. In	EVAPORATOR: Fan Coil Air Temp. Out	INITIAL

PERFORM THESE TESTS ANNUALLY

TUBES

DATE CLEANED

DATE OF EDDY CURRENT TEST

Operating & Safety Control Tests

OIL PRESSURE SAFTEY 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.