

Reciprocating air conditioning and refrigeration log (25HP And Over)

Equipment care bulletin

RECIPROCATING AIR CONDITIONING AND REFRIGERATION LOG

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

LOG THIS INFORMATION DAILY

PERFORM THESE TESTS ANNUALLY

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 7 years after installation and every 5 years thereafter 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.