

## 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.

	Thin	k Ah	ead™														
MANUFACTURER NUMBER SIZE							ι	JNDER 25 H	P	ION							
SIAKI-UP LOG	OPEN/HERMETIC aut	e fol	Dowing checklist is designed to alert owners,  Take insulation resistance readings of moto windings. If the readings indicate less than one megohm resistance, do not start the motor. Check for the cause of low resistance. NOTE: Hermetic Motor Readings less than 30 megohms may			REFRIGERANT CIRCUIT	☐ Be su moistu	e that liquid line is equipped with a re indicator. ture is indicated, dehydrate the n. Determine and correct source of		SAFETY	Test thermostatic bucket of ice wat	articular areas requiring attention prior to season  Test thermostatic controls by immersing in bucket of ice water.  Test oil-pressure-differential switches and high-pressure cut out mechanically and		AIF	ctart up.  R/SHELL AND TUBE/EVAPORATIVE  Clean heat transfer surfaces with solution marketed for their specific use and type.  Cooling towers: Baffles should		
PRE-SEASON MAINTENANCE AND	MOTORS - OPEN		indicate moisture in the system or refrigerant in the motor/compress.  Check air ventilation openings on motors for obstruction.  Check bearings on open-type moadequate and proper lubrication.		r. open-type	DRS CONTROLS	pitting Check Exam size a	, corrosion, etc c terminal conn ine overload pr nd defects.	acts for deterioration, c. ections for tightness. rotection for adequate	OPERATING AND CONTROLS	Examine flow switch by r checking for corrosion ar operation.  Determine that all contro calibrated and in good w. Thermostatic expansion proper superheat.		nd proper linkage  Is are properly orking condition.		sump overflo The m be cho	hours before start up.	
	FANS	Check fan, shaft, and bearings.  Check belt tension and condition.				Determine that timing doperating sequence.  Check mechanical linkal looseness.				PUMPS				OMPRESS	sight (  Lubric and co	mine valves for signs of ar, cracking, and fatigue.	
OPERATING CHARACTERISTICS  Normal operating conditions include certain levels of noise, vibration, temperature, and pressure. These levels may vary within certain limits depending on the season of the year or the heat load appl system. Any change in the normal operating characteristics is a warning of trouble. Your service concern should be notified. A reliable service concern should regularly check all parts of the system to the possibility of breakdown.																	
DESCRIPTION OF NORMAL OPERATING CONDITIONS									NORMAL OPERATING STANDARDS			2	1	3	4	5	
×		MOISTURE INDICATOR SIGHT GLASS  This device should be observed to det chemical color or the presence of gas case your service technician should be				as bubbles	s in the liquid re		COLOR								
M NOI	OIL SIGHT GLASS			Observe this glass to establish that sufficient oil is in the compressor crankcase. Oil leakage should not be tolerated. Any change in the normal oil level should be investigated immediately by your service technician.				LEVEL									
RMAT	TEMPERATURE			In-operation temperature levels for the compressor suction and discharge should be established and recorded. Any unusual change in these temperatures should be called to the attention of your service technician.				DISCHARGE TEMP.		SUCTION TEMP.							
SINFO	PRESSURE			The operating pressure levels should be established and recorded. Any unusual change in these pressures should be called to the attention of your service technician.				DISCHARGE PRESSUR	RE	SUCTION PRESSURE							
-0G THI	FILTERS			Regular cleaning of the air filters serving the evaporator and the air-cooled condenser is important to the successful operation of your unit. If a water cooled condenser is used, the water side must be kept clean.					EVAPORATOR FILTE								
								CONDENSER FILTER									
■ NAME OF EMPLOYEE RESPONSIBLE FOR LOG UPDATE								LOG REVIEWED BY (Give Name)						DATE REVIEWED			