



All Supplies and Parts, Inc.  
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ASAP Compressors of VA, Inc.  
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Installing Company: \_\_\_\_\_

Phone: \_\_\_\_\_

Unit Model #
Unit Serial or ID #

Job Name:
Location:

Notice: In order to validate your warranty and insure a long life of your new compressor, this report **MUST BE COMPLETED** and returned within 36 hours of compressor start-up.

New Model # \_\_\_\_\_

New S/N \_\_\_\_\_

Old Model # \_\_\_\_\_

Old S/N \_\_\_\_\_

**Before Start-up:**

	YES	NO
Crankcase heaters working?		
New liq. line drier installed?		
New suct. line drier installed?		
System/Compressor evacuated?		
Starter Contacts OK?		

Crankcase heaters working?  
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 Starter Contacts OK?

**After Start-up:**

Amps	L1 _____	L2 _____	L3 _____
	L7 _____	L8 _____	L9 _____
Voltage	L1-L2 _____	L1-L3 _____	L2-L3 _____
	L7-L8 _____	L7-L9 _____	L8-L9 _____
Unloader Setting	_____	_____	_____

Acid test made after running? \_\_\_\_\_

LP trips at \_\_\_\_\_

HP trips at \_\_\_\_\_

Oil Level **0**

**Dry Run Info:**

Oil safety actually trips at \_\_\_\_\_ seconds.

Dry Run Voltage  
 L1-L2 \_\_\_\_\_ L1-L3 \_\_\_\_\_ L2-L3 \_\_\_\_\_  
 L7-L8 \_\_\_\_\_ L7-L9 \_\_\_\_\_ L8-L9 \_\_\_\_\_

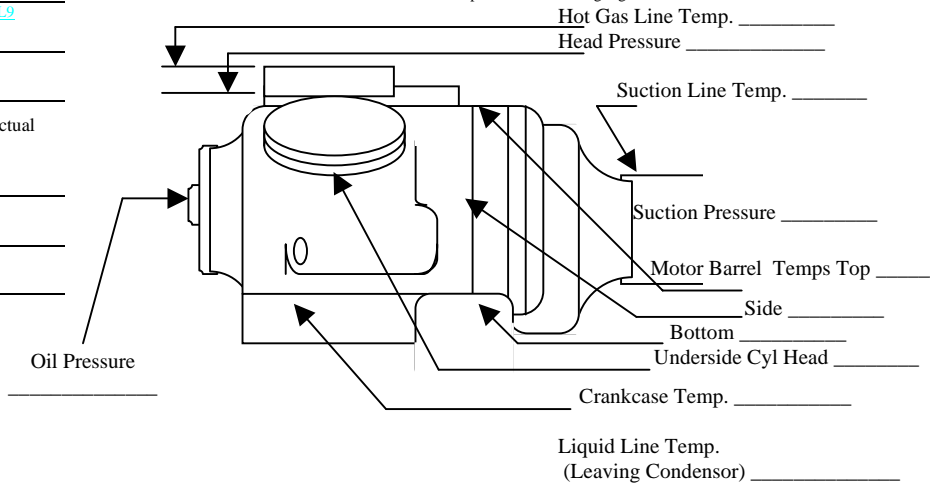
Ambient Temp. \_\_\_\_\_ Refrigerant \_\_\_\_\_  
 Rating Actual

Evaporator Fan / Pump amps. \_\_\_\_\_

Water Temperature: In \_\_\_\_\_ Out \_\_\_\_\_

Water Pressure: In \_\_\_\_\_ Out \_\_\_\_\_

Allow compressor to run for 30 minutes, then obtain the pressures and body temperature at the locations shown below. Check for Proper Oil Return in sight glass.



ASAP rep at job: \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

Tech's Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## SUGGESTED COMPRESSOR START-UP AND SYSTEM CHECK-OUT GUIDE

1. Before electrical hook up (or coupling) start control circuit to check oil pressure cut out and contactor points. This can be accomplished simply by removing the wires from the load side of the contactor(s).
  - A.) Records volts
  - B.) Record time for oil safety to drop contactor(s) out
  - C.) Take amp reading of evaporator fan motor (if DX system) and record actual and rated amps (should be within 10%)
  - D.) Check oil level in sight glass
    - 1.) If more than ½ drain excess oil immediately (after verifying that entire level is oil and not liquid refrigerant)
2. Reconnect wires to contactor(s) (or connect coupling) and start compressor.
  - A.) Check oil pressure using extra set of service gauges, subtract suction pressure and record net pressure.
    - 1.) If net oil pressure is not normal, SHUT machine OFF and find cause
  - B.) Check oil level again
3. Check amp draw on each leg.
  - A.) If any large variation, check out wiring circuit
4. Check voltage again on each leg under load and record
5. Check suction and discharge pressure and check out any abnormal pressures (suction 60-75 normal A/C) (discharge 180-220 water cooled, 225-275 air cooled)
6. Check suction temperature, discharge line temperature, and various crankcase temperature, and record.
7. Recheck oil level and drain excess – depending on model, level should be between 1/8 and 1/2 glass
8. Check LP control by throttling down on suction service valve, record cutout point.
9. Recheck oil level & drain if necessary.
10. Run up head pressure to determine when high pressure control will cut out. (This can be accomplished by disabling condenser fans or tower fan – should have manual reset and not be higher than 350 lbs.)  
**NOTE: Have someone with hand on disconnect to shutdown at 375.**
11. Change driers and check each thermal expansion valve computing individual superheats.
12. Check unloader operation and adjust to proper operation. If unsure of settings call ASAP office.
13. Record all final readings on start-up
14. Review all of readings to see if you are satisfied with the way everything is running.