



EPA Refrigerant Conservation Services Report



Customer: DuPont Experimental Station

Date: 03/03/2017

Location: E315 Powerhouse

Equipment Type:	
Industrial Process / Com. Refrigeration	
Commercial - Over 50 lbs Refrigerant	<input checked="" type="checkbox"/>
Commercial-Under 50 lbs Refrigerant	

Equipment ID: CHILLER #10

Refrigerant Leak Verification Test

Source of Leak: 1-1/2" THREADED LIQUID REFRIG TEE FEEDING OIL COOLER. (LARGE)

Corrective Action: None, at this time. Awaiting customer approval.

Source of Leak: COMP. OIL RESERVOIR EQUALIZING LINE 1/4" Threaded Flare Elbow (SMALL)

Corrective Action: None, at this time. Awaiting customer approval.

Source of Leak: PRV SHAFT SEAL (Medium)

Corrective Action: None, at this time. Awaiting customer approval.

Initial Leak Verification Test : Pass Failed

Was Leak Repaired? Yes No Owner Declined Repair

Verification Test Method: Electronic Detector & Soap Bubbles (Chiller Pressure @ 63psig)

Refrigerant Usage

Refrigerant Type: (Circle One) R-11 R-12 R-22 R-123 R-134a R-407c R-410a Other: _____

Refrigerant Lbs. Used: _____ Factory Charge or Approximate Charge: _____

Refrigerant Supplied By: Customer JCI Other, Explain _____

Refrigerant Recovery

(Technician Certification Cards on File at JCI Local Office)

Recovery Unit Model# _____ Serial # _____ Mfg. Date Before 11/15/93 Yes / No

Refrigerant Type: (Circle One) R-11 R-12 R-22 R-123 R-134a R-407c R-410a Other: _____

Refrigerant Re-Charged to Sys.? Yes No Refrigerant Lbs. Recovered: _____

Refrigerant Not Re-Charged, Explanation: _____

Refrigerant Leak Rate Formula for Units Greater Than 50 Lbs

(_____ lbs. Refrig. Added / _____ lbs. in Full Charge) x (365 / Lesser of 365 Days or # of Days Since Refrig. Added) x 100

Refrigerant Leak Rate Percent: _____ Minimal refrigerant leaks were found.

Leak Rate found in excess of 15% 35% annual charge which exceeds legal EPA leak rates.

30-Day Refrigerant Follow-up Verification Test

Date Test Performed: _____ Pass Failed

Comments: _____

Additional Comments: Performed refrigerant leak test on entire Chiller as part of annual maintenance. R-134a charge was still present in Chiller. Recommend transfer of charge to Central Recovery Tank for accurate weighing.

Technician Signature: [Signature]

Customer Signature: _____