



**ABC Company
Steam Trap Survey
Report**

Project number XXXXXX

SAMPLE STEAM TRAP REPORT – NOT AN ACTUAL REPORT

ABC Company Heating and Refrigeration Plant and Steam Distribution System Trap Summary

On February 12-16, 2001 Armstrong Service, Inc. (ASI) conducted a steam trap survey at your facility. Some 216 traps were identified and the 149 traps that were in-service were tested. All failed or defective in-service traps were tagged with a red and white tag for ease of in field identification. Determining the number of failures among the out of service steam traps will require a survey while they are in-service.

The field investigation and computer analysis reveals that 8.72% (13) of the in-service traps were found to be defective. The 7.38% (11) of the in-service traps were failed and wasting steam resulted in an estimated annualized loss of 6,313,945 pounds of steam and a corresponding dollar loss of \$110,494.

This dollar loss is based on your operating cost estimated to be \$17.50 per thousand pounds of steam.

The additional 2.39 % (2) of the in-service traps had failed in a plugged and/or flooded condition. These traps are not losing steam but rather causing a loss of heat, water hammer, corrosion and possibly freezing damage to heat transfer equipment.

The following is a break down of defective traps as a percentage of the total traps and total in-service traps:

CONDITION SUMMARY

<u>Condition</u>	<u>Population</u>	<u>% of Total</u>	<u>% of In-service</u>
BLOW THRU	9	4.17%	6.04%
FLOODED*	1	0.46%	0.67%
GOOD	136	62.96%	91.28%
LEAKING	2	0.93%	1.34%
NOT TESTED	1	0.46%	
OUT OF SERVICE	66	30.56%	
PLUGGED*	1	0.46%	0.67%
Totals:	216	100.00%	100.00%

* No savings associated with replacement of these steam traps.
See attached spreadsheet trap report for a complete listing of all traps.

ABC Company Manholes Steam Distribution System Trap Summary

On April 4-5, 2001 Armstrong Service, Inc. (ASI) conducted a steam trap survey at your facility. Some 17 traps were identified and all of the 17 traps were in-service and tested. All failed or defective in-service traps were tagged with a red and white tag for ease of in field identification.

The field investigation and computer analysis reveals that 23.5% (4) of the traps were found to be defective. The failed traps were wasting steam resulted in an estimated annualized loss of 2,170,251 pounds of steam and a corresponding dollar loss of \$37,979.

This dollar loss is based on your operating cost estimated to be \$17.50 per thousand pounds of steam.

The following is a break down of defective traps as a percentage of the total in-service traps:

CONDITION SUMMARY

<u>Condition</u>	<u>Population</u>	<u>% of Total</u>
BLOW THRU	3	17.65%
GOOD	13	76.47%
RAPID CYCLING	1	5.88%
Totals:	17	100.00%

See attached spreadsheet trap report for a complete listing of all traps.

STEAM TRAP SUMMARY

ABC Company Heating and Refrigeration Plant

Survey No: PEN-001-0000

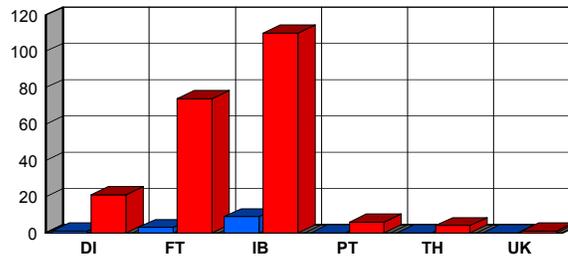
Customer: ABC COMPANY

Survey Date: November 23-24, 2001

ANNUALIZED SAVINGS SUMMARY

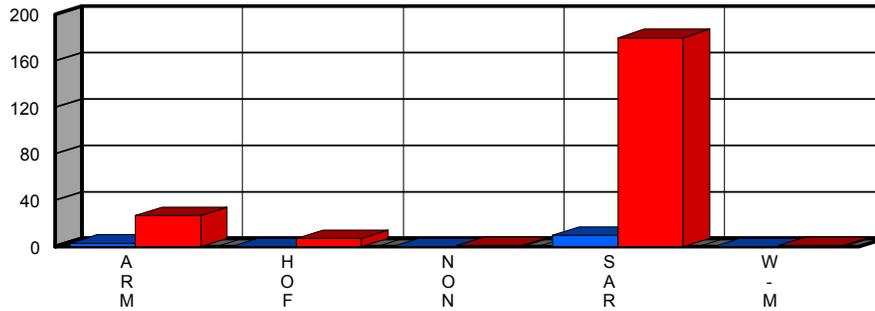
Steam Loss	6,313,945 lbs.
Monetary Loss	\$110,494

TRAP TYPE SUMMARY



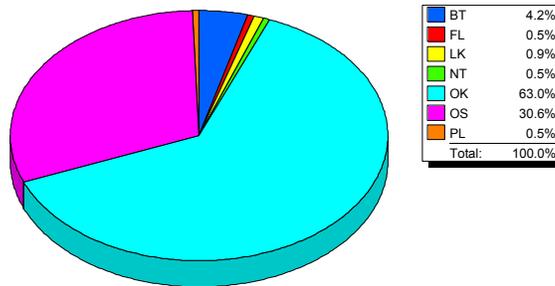
Generic Type	Population Count	% of Total	Failure Count	In Service Failure
Disc (DI)	21	9.72%	1	6.67%
Float Trap (FT)	74	34.26%	3	6.12%
Inverted Bucket (IB)	110	50.93%	9	10.59%
Pumping Trap (PT)	6	2.78%	0	0.00%
Thermostatic (TH)	4	1.85%	0	0.00%
Unknown (UK)	1	0.46%	0	0.00%
Totals:	216	100.00%	13	8.67%

MANUFACTURER SUMMARY



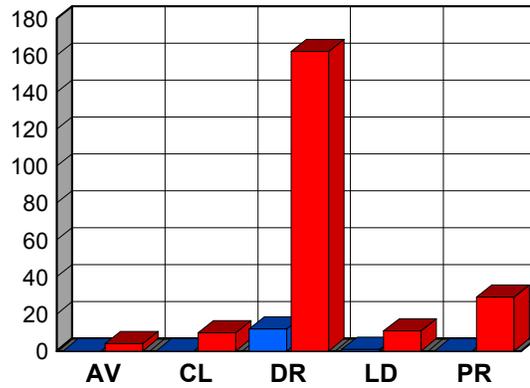
Manufacturer	Population Count	% of Total	Failure Count	In Service Failure
ARMSTRONG (ARM)	27	12.50%	3	12.00%
HOFFMAN (HOF)	7	3.24%	0	0.00%
NON	1	0.46%	0	0.00%
SARCO (SAR)	180	83.33%	10	8.55%
WATSON MCDANIEL W-D)	1	0.46%	0	0.00%
Totals:	216	100.00%	13	8.67%

CONDITION SUMMARY



Condition	Population Count	% of Total
BLOW THRU (BT)	9	4.17%
FLOODED (FL)	1	0.46%
LEAKING (LK)	2	0.93%
NOT TESTED (NT)	1	0.46%
GOOD (OK)	136	62.96%
OUT OF SERVICE (OS)	66	30.56%
PLUGGED (PL)	1	0.46%
Totals:	216	100.00%

APPLICATION SUMMARY



Application	Population Count	% of Total	Failure Count	In Service Failure
Air Vent (AV)	4	1.85%	0	0.00%
Coil (CL)	10	4.63%	0	0.00%
Drip (DR)	162	75.00%	12	9.68%
Liquid Drainer (LD)	11	5.09%	1	20.00%
Process (PR)	29	13.43%	0	0.00%
Totals:	216	100.00%	13	8.67%

STEAM TRAP EXECUTIVE SUMMARY

Manholes

Survey No: ARM-042-0000

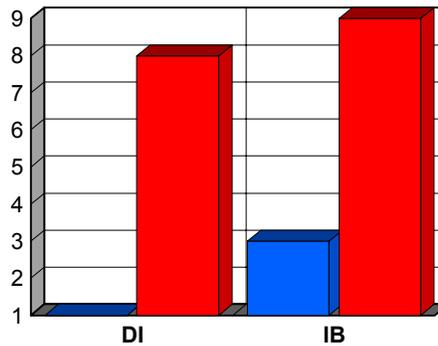
Customer: ABC Company - Utilities Plant

Survey Date: December 4-5, 2001

ANNUALIZED SAVINGS SUMMARY

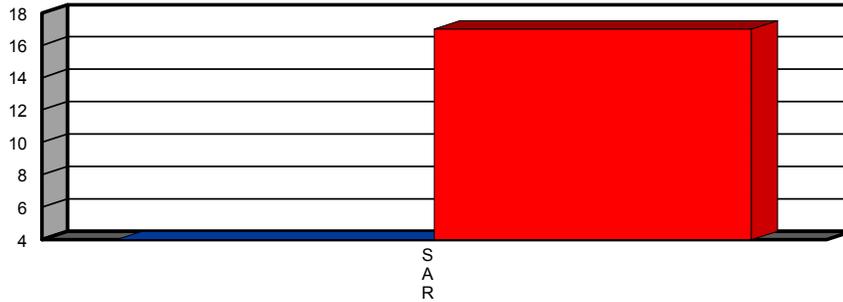
Steam Loss	2,200,512 lbs.
Monetary Loss	\$38,509

TRAP TYPE SUMMARY



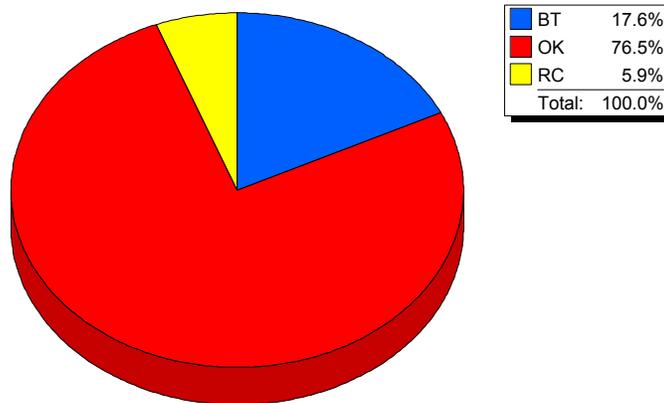
Generic Type	Population Count	% of Total	Failure Count	In Service Failure
Disc (DI)	8	47.06%	1	12.50%
Inverted Bucket (IB)	9	52.94%	3	33.33%
Totals:	17	100.00%	4	23.53%

MANUFACTURER SUMMARY



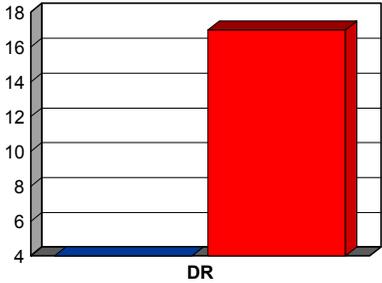
Manufacturer	Population Count	% of Total	Failure Count	In Service Failure
SARCO (SAR)	17	100.00%	4	23.53%
Totals:	17	100.00%	4	23.53%

CONDITION SUMMARY



Condition	Population Count	% of Total
BLOW THRU (BT)	3	17.65%
GOOD (OK)	13	76.47%
RAPID CYCLING (RC)	1	5.88%
Totals:	17	100.00%

APPLICATION SUMMARY



Application	Population Count	% of Total	Failure Count	In Service Failure
Drip (DR)	17	100.00%	4	23.53%
Total:	17	100.00%	4	23.53%