



Ultrasonic Air Leak Survey

08/09~8/10/2011

\$31,600 Discovered Losses

Consultant;

Scott Milne BPI, RESNET, LEED

National Energy Technologies LLC

800-984-0332

www.NationalEnergyTech.com

Data collected by: Christopher Turcich

Thank you for selecting National Energy Techn

Compressed Air Remediation

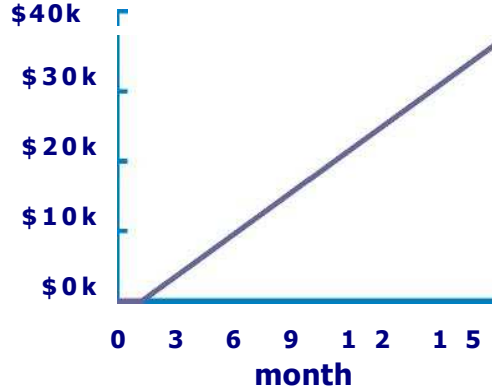
We discovered 95 measurable air leaks
16 overhead leaks.

and

Available Savings

\$30,400
energy savings

Chart of accrued savings based on one month repair time and 95% repair rate.



519,000 kwh
339 cfm / 40 hp
348 tons

Annual power consumed to generate compressed air lost through leaks.

Total air loss and horsepower equivalency.

Carbon emission from utility to generate above power

Top Ten Air Leak

ref	description	annual cost
46	Yokes Line 2 Chucker area	\$ 729
12	OP 260 RIO Panel #5	\$ 464
41	TR1K/2K Assembly Cell Flow Test/Pack	\$ 464
47	Yokes Line 2 Turn + Grind	\$ 445
50	Yokes Line 2	\$ 417
20	OP Pre Assembly Cell Two	\$ 407
22	HSG Deburr Washer 1	\$ 379
8	HSG Deburr Washer #2	\$ 379
48	Yokes Line 2 Drill/Deflector Assembly	\$ 369
31	Alfing #3	\$ 369

See Inspection and Calculation Methodology on following pages

Job 110800-1
Report Index

ref#	description		page	cost
1	compressor room	Sullair LS-25S 10045 (250hp)	1	\$ 313
2	compressor room	LS-25 200L ACAC #1	2	\$ 208
3	compressor room	receiver tank drain	3	\$ 332
4	Maintenance area	air line quick-connect near chop saw	4	\$ 313
5	Long Shaft Cell Lathe #3	SMN001781	5	\$ 369
6	Long Shaft Cell Lathe #3	air feed to filter	6	\$ 322
7	Long Shaft Cell Lathe #2	SMN001782	7	\$ 76
8	HSG Deburr Washer #2	load side Numatic valve near stairs	8	\$ 379
9	HSG Disassembly	back of east station	9	\$ 265
10	HSG Disassembly	east tank cart	10	\$ 294
11	Deburr Operation	Mori Seiki SH400 #2	11	\$ 161
12	OP 260 RIO Panel #5	nipple into union tee	12	\$ 464
13	Shaft Polisher Robot	Z axis advance valve "A" port	13	\$ 265
14	Final Clean Washer #3	load side air valve	14	\$ 161
15	Final Clean Washer #3	Valve Bank 8 OP310	15	\$ 290
16	Final Assembly Cell One	Machine 55	16	\$ 256
17	Final Assembly Cell One	screw feeder	17	\$ 170
18	Final Assembly Cell One	Oiler 2	18	\$ 208
19	OP Pre Assembly Cell Two	hose fitting at swivel	19	\$ 341
20	OP Pre Assembly Cell Two	cap on valve lubricator	20	\$ 407
21	Alfing #4	operator station air nozzle	21	\$ 218
22	HSG Deburr Washer 1	filter drain	22	\$ 379
23	OP 110D RIO Panel (near Alfing 4)		23	\$ 332
24	In Process Inspection Alfing 1~2	back side regulator	24	\$ 189
25	Conveyor Line behind Alfing #1	OP110 A	25	\$ 67
26	Conveyor Line behind Alfing #1	OP 110A	26	\$ 133
27	Washer 1	conveyor air valve under stairway	27	\$ 161
28	Belmont SY-2535 EDM Drilling Machine	SMN001942	28	\$ 322
29	HSG Pre-Assembly One Housings	air nozzle at quick connect	29	\$ 208
30	HSG Pre-Assembly One	OP200A Air Valve	30	\$ 218
31	Alfing #3	operator station air nozzle	31	\$ 369
32	Alfing #3	operator station air nozzle	32	\$ 313
33	Alfing #3	operator station air nozzle	33	\$ 322
34 W	Pad Machine #4	SH400	34	\$ 322
35	W Pad Machine 5	main filter/regulator	35	\$ 341
36	Quality Control	crush height gauge	36	\$ 275
37	East wall Tear Down Inspection	fitting threads into quick-connect	37	\$ 161
38	TR1K/2K Shaft Cell Grind/Polish	Shigoya Grinder	38	\$ 275
39	TR1K/2K Housing Cell Machining	S+W #1	39	\$ 303
40	TR1K/2K Housing Cell Machining	Mori Seiki SH403	40	\$ 123
41	TR1K/2K Assembly Cell Flow Test/Pack	Balance Shaft + Housing Gauge	41	\$ 464
42	TR1K/2K Assembly Cell Flow Test/Pack	Sub-Assembly Upper/Lower fixture	42	\$ 227
43	TR1K/2K Assembly Cell Flow Test/Pack	Test Gauge Stand	43	\$ 265
44	Yokes Line 2 Chucker	along east-west aisle	44	\$ 218
45	Yokes Line 2 Chucker	lube pump	45	\$ 265
ref#	description		page	cost

M _____

report: 110800-1
staff: C. TURCICH
cert: UET2007245
equip: 9000MPH
serial: 928155

\$17,300 / 184 cfm / 290,000 kwh loss identified

Measurements taken in accordance with ASTM E1002-05. See Summary Report for calculation method.

6	Long Shaft Cell Lathe #3
\$ 322	air feed to filter
8/9/2011	nipple upstream of valve
56 db	
100 psi	
3.4 cfm	



<input type="checkbox"/> <i>repaired</i> _____ <i>date:</i> _____ <i>repaired by:</i> _____ <input type="checkbox"/> <i>verified</i> _____ <i>date:</i> _____ <i>verified by:</i> _____	<i>repair time/materials</i> <i>repair notes</i>
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