



UTTER PRECISION, INC.

The Next Generation in Reliability

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Ultrasonic Air Leak Log

Customer 123 Manufacturing
Location Our Town
Select One: **Air** Steam
System Pressure 100 PSI

Contact Joe Mechanic
Date October 21, 2008
Oxygen Other

Area	Tag #	Leak Source	Location	Decibels	Estimated Size	Distance From Ground
Slaughter	256	Air	NW of Pillar 124		SM	30
Slaughter	257	Air	Machine 45613 Air		ME	15
Slaughter	258	Air	35 Ft East of Section 12		LG	10
Slaughter	259	Air	14 Feet from Pillar 186		LG	8
Engine Room	260	Air	Air Comp 2		ME	5
Engine Room	261	Air	Air Comp 2		SM	12
Engine Room	262	Air	Air Comp 4		LG	15
Loading Dock	263	Air	Section B6		ME	15
Loading Dock	264	Air	Section A14		LG	5
Loading Dock	265	Air	Section C45		ME	5
Shop	266	Air	Main Feed		ME	3
Shop	267	Air	5 Ft from Back Door Top Connection		LG	35
Kill Floor	268	Air	Feed to De-hair		LG	10

Leak Summary and Analysis

Location: [Our Town Plant](#)

Date: [Oct 12, 2008](#)

System Type and Pressure: [Air 100PSI](#)

Size-	Small	Medium	Large
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Area	Total			
Air Comp Room	3	1	1	1
Outside	1			1
Production	4	1	1	2
Shop	2		1	1
Stocking	3		2	1
	0			
	0			

Current Total	13	2	5	6
Last Scan Total	29	5	8	16
Difference	16	3	3	10
% Difference	55.2%	60.0%	37.5%	62.5%

Current Air Loss Estimates

Estimated Leak size	1\64"	1\32"	1/16"	Total*	
Loss - CFD	1152	11520	55728	68,400	cfd
Loss - Horsepower	0.1	1.75	8.64	10.49	HP/Day
Loss - \$/Day	\$0	\$3	\$12	\$15	/Day
Loss - \$/Year	\$96	\$930	\$4,464	\$5,490	/Year

Air Savings From Repairs Over the Last Year

Estimated Leak size	1\64	1\32	1/16"	Total*	
Loss - CFD	1728	6912	92880	101,520	cfd
Loss - Horsepower					HP/Day
Loss - \$/Day	\$ 0	\$ 2	\$ 20	\$ 22	/Day
Loss - \$/Year	\$ 144	\$ 558	\$ 7,440	\$ 8,142	/Year

***Disclaimer:** The above calculations are estimates and should be viewed as such. THESE ARE NOT EXACT NUMBERS. The calculations were made using an average of 100 PSIG, at \$0.22 MCF, 8760 Hrs./Year.