

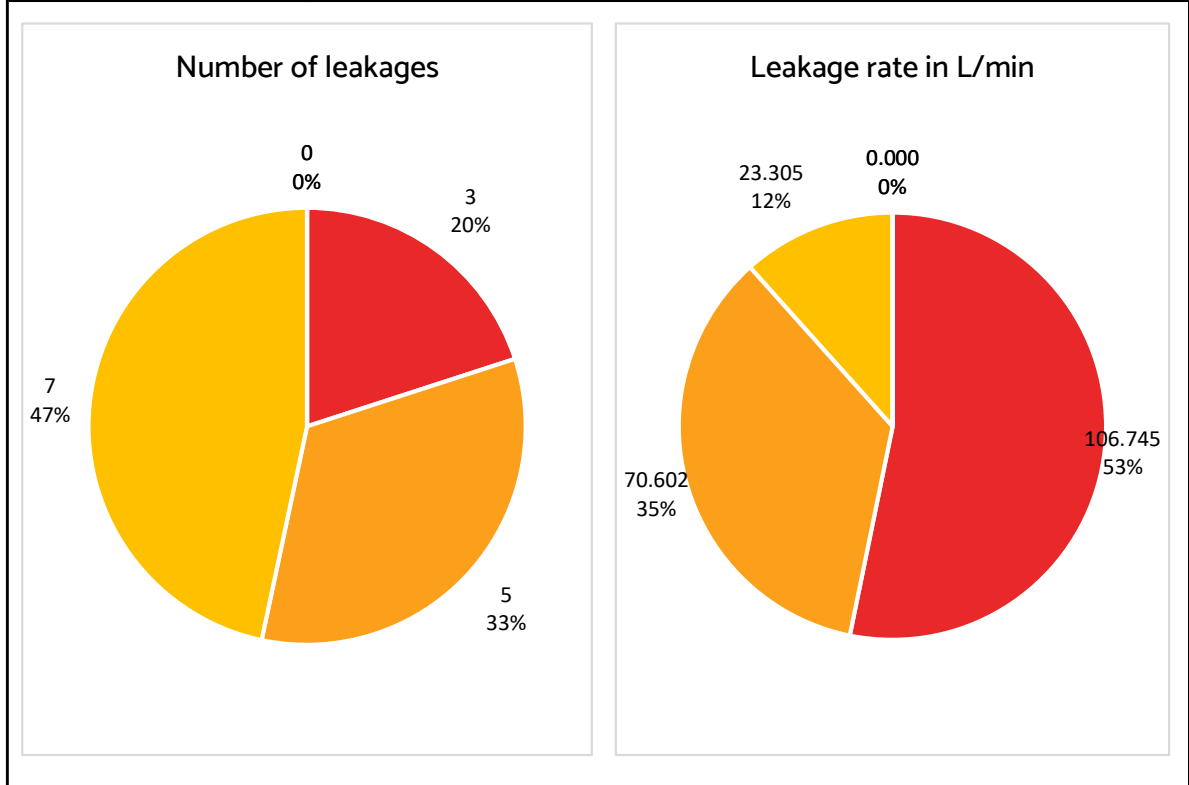
Report Cymru Cakes Air Leak Report V1.0  
 Company Cymru Cakes  
 Address LLanidloes  
 Wales, UK



Author	Jamie Borley (Assetivo)	Date	02/06/2024	Time	22:40
Device	Sonascreen				
Software	V1.2.444				

Summary					
Number of measurements	15				
Comment	This air leak report was followed a brief 2 hour survey of Cymru Cakes's Plant.				
Costs per volume	0.15 GBP/m <sup>3</sup>			Energy Costs	0.43 GBP/kWh
Running time per year	8760 h			CO2 Emission	0.205 kg/kWh
Overall leakage per year	105463 m <sup>3</sup>	=	200.65 L/min	Gas type	Air
Overall costs per year	15819.39 GBP			Currency	GBP
CO2 emissions per year	7540 kg CO2			Volume Unit	L/min

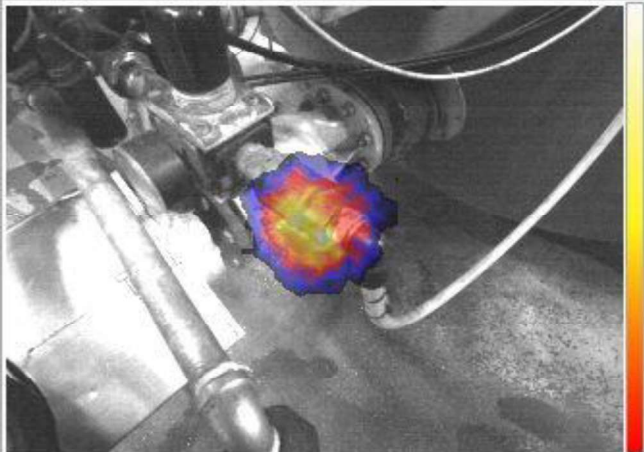
	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5
Number of leakages	3	5	7	0	0
Leakage rate in L/min	106.745	70.602	23.305	0.000	0.000

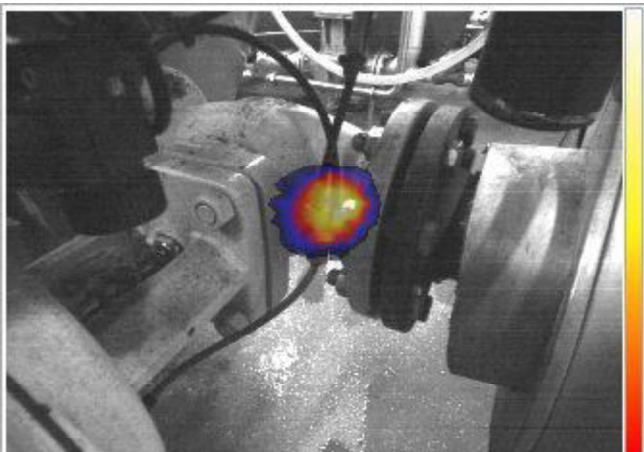


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Summary of leakages				
ID	Leak rate	Loss/year	Priority	Repaired
CymruCakes/Ovens/Oven5/Air/Regulator	3.34 L/min	263.32 GBP	3	✘
CymruCakes/Ovens/Oven5/Valve/Connection	15.68 L/min	1236.23 GBP	2	✘
CymruCakes/Ovens/Oven4/Air/Pipe	18.30 L/min	1442.60 GBP	2	✘
CymruCakes/Ovens/Oven3/Air/Isolator	12.67 L/min	998.71 GBP	2	✘
CymruCakes/Ovens/Oven1/Air/Isolator	3.22 L/min	253.90 GBP	3	✘
CymruCakes/Ovens/Oven1/AirSupplyUnit	5.72 L/min	451.09 GBP	3	✘
CymruCakes/Ovens/Air/Regulator	24.89 L/min	1962.39 GBP	1	✘
CymruCakes/Line 9/BarcodeMachine/Applicator	23.03 L/min	1816.02 GBP	1	✘
CymruCakes/Line 9/Cooler/AirGun	10.63 L/min	838.37 GBP	2	✘
CymruCakes/Line 9/BoxMaker/AirSupplyUnit	0.98 L/min	77.10 GBP	3	✘
CymruCakes/Line 8/BoxMaker/AirSupplyUnit	1.54 L/min	121.51 GBP	3	✘
CymruCakes/Line 7/BoxMaker/AirSupplyUnit	5.75 L/min	453.11 GBP	3	✘
CymruCakes/AirComp1/Intake	13.32 L/min	1050.37 GBP	2	✘
CymruCakes/AirDryer/Outlet/IsoValve/Joint	2.76 L/min	217.31 GBP	3	✘
CymruCakes/AirComp2/Filter/Connector	58.82 L/min	4637.36 GBP	1	✘

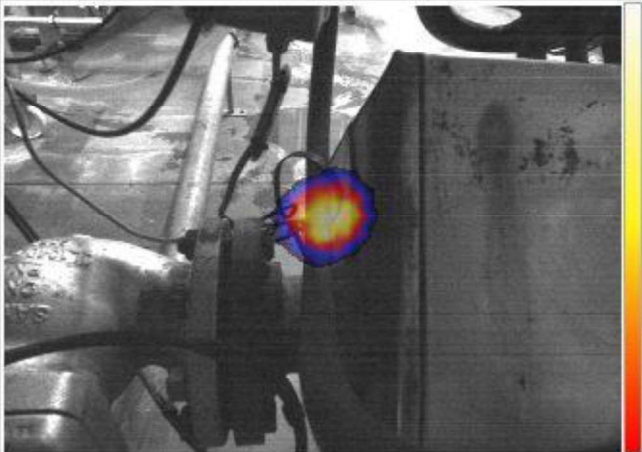
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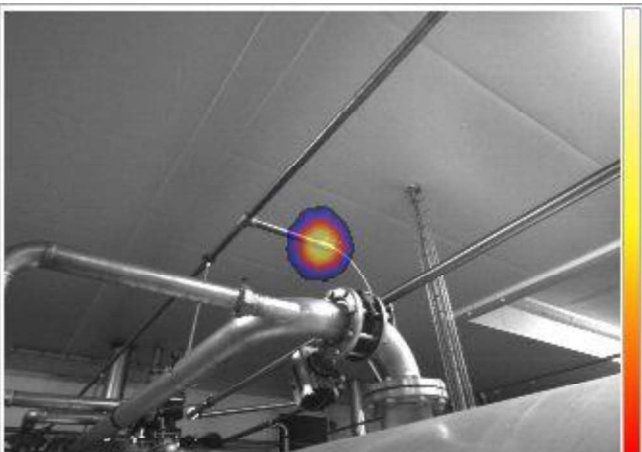
ID	CymruCakes/Ovens/Oven5/Air/Regulator	Attribute	Value
	Loss	(GBP/a)	263.32
	Leak rate	(L/min)	3.34
	Level	(dB)	70.6
	Pressure	(bar)	8
	Distance	(m)	0.50
	Gas type		Air
	Machine		Oven 5
	Component		
	Priority		3
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
Comment CymruCakes/Ovens/Oven5/Air/Regulator			

ID	CymruCakes/Ovens/Oven5/Valve/Connection	Attribute	Value
	Loss	(GBP/a)	1236.23
	Leak rate	(L/min)	15.68
	Level	(dB)	86.5
	Pressure	(bar)	8
	Distance	(m)	0.50
	Gas type		Air
	Machine		Oven 5
	Component		Steam valve air connect
	Priority		2
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
Comment CymruCakes/Ovens/Oven5/Valve/Connection			

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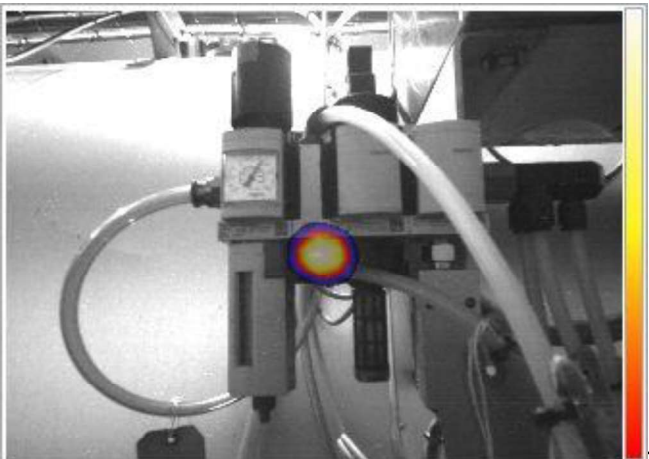
ID	CymruCakes/Ovens/Oven4/Air/Pipe	Attribute	Value
	Loss	(GBP/a)	1442.60
	Leak rate	(L/min)	18.30
	Level	(dB)	82.3
	Pressure	(bar)	8
	Distance	(m)	0.75
	Gas type		Air
	Machine		Oven 4
	Component		
	Priority		2
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
	Comment		
CymruCakes/Ovens/Oven4/Air/Pipe - split pipe (longitudinal)			

ID	CymruCakes/Ovens/Oven3/Air/Isolator	Attribute	Value
	Loss	(GBP/a)	998.71
	Leak rate	(L/min)	12.67
	Level	(dB)	71.1
	Pressure	(bar)	8
	Distance	(m)	2.00
	Gas type		Air
	Machine		Oven 3
	Component		Isolator
	Priority		2
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
	Comment		
CymruCakes/Ovens/Oven3/Air/Isolator			

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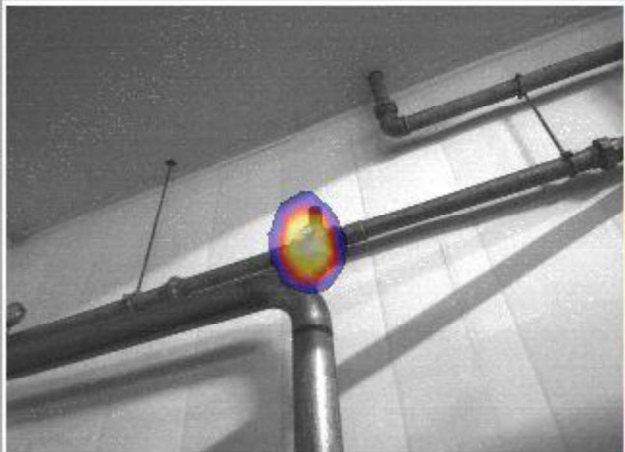
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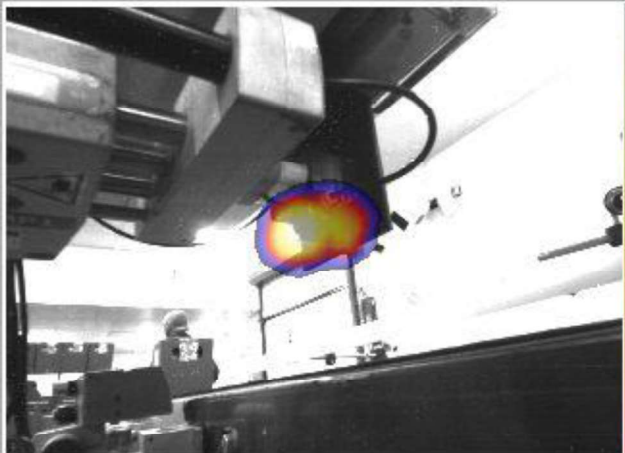
ID	CymruCakes/Ovens/Oven1/Air/Isolator	Attribute	Value
	Loss (GBP/a)	253.90	
	Leak rate (L/min)	3.22	
	Level (dB)	60.2	
	Pressure (bar)	8	
	Distance (m)	1.53	
	Gas type	Air	
	Machine	Oven 1	
	Component		
	Priority	3	
	Repair recommended	Yes	
	Repair done	No	
	Technician		
	Repair date		
Comment CymruCakes/Ovens/Oven1/Air/Isolator			

ID	CymruCakes/Ovens/Oven1/AirSupplyUnit	Attribute	Value
	Loss (GBP/a)	451.09	
	Leak rate (L/min)	5.72	
	Level (dB)	87.8	
	Pressure (bar)	8	
	Distance (m)	0.25	
	Gas type	Air	
	Machine	Oven 1	
	Component	Air Supply Unit	
	Priority	3	
	Repair recommended	Yes	
	Repair done	No	
	Technician		
	Repair date		
Comment CymruCakes/Ovens/Oven1/AirSupplyUnit			

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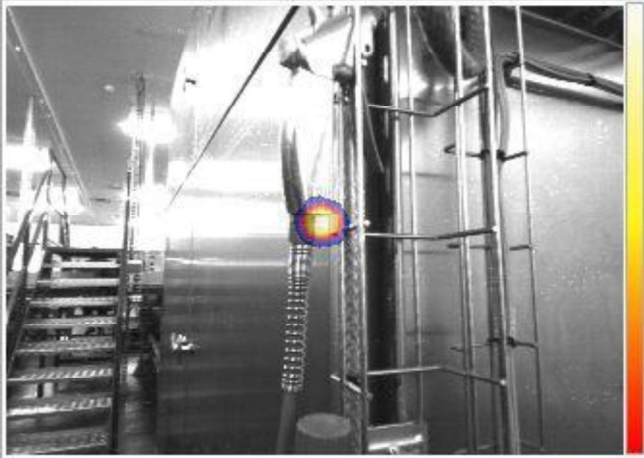
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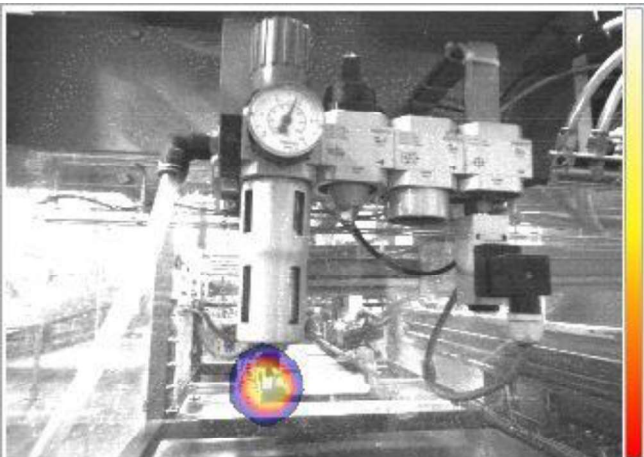
ID	CymruCakes/Ovens/Air/Regulator	Attribute	Value
		Loss (GBP/a)	1962.39
		Leak rate (L/min)	24.89
		Level (dB)	77.0
		Pressure (bar)	8
		Distance (m)	2.00
		Gas type	Air
		Machine	Air Vessel
		Component	Regulator
		Priority	1
		Repair recommended	Yes
		Repair done	No
		Technician	
		Repair date	
Comment CymruCakes/Ovens/Air/Regulator			

ID	CymruCakes/Line 9/BarcodeMachine/Applicator	Attribute	Value
		Loss (GBP/a)	1816.02
		Leak rate (L/min)	23.03
		Level (dB)	93.0
		Pressure (bar)	8
		Distance (m)	0.30
		Gas type	Air
		Machine	Barcode Machine
		Component	Applicator
		Priority	1
		Repair recommended	Yes
		Repair done	No
		Technician	
		Repair date	
Comment CymruCakes/Line 9/BarcodeMachine/Applicator			

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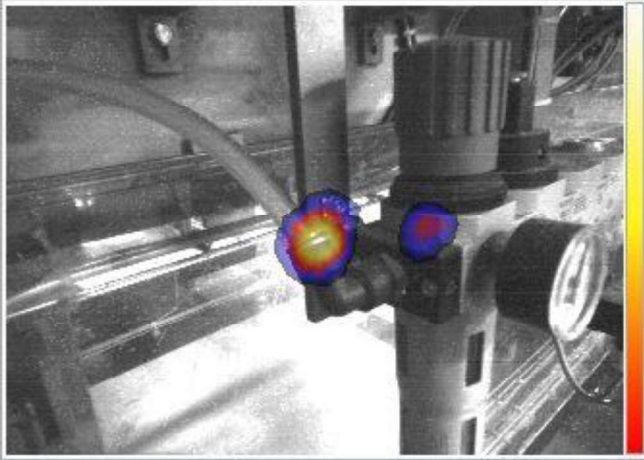
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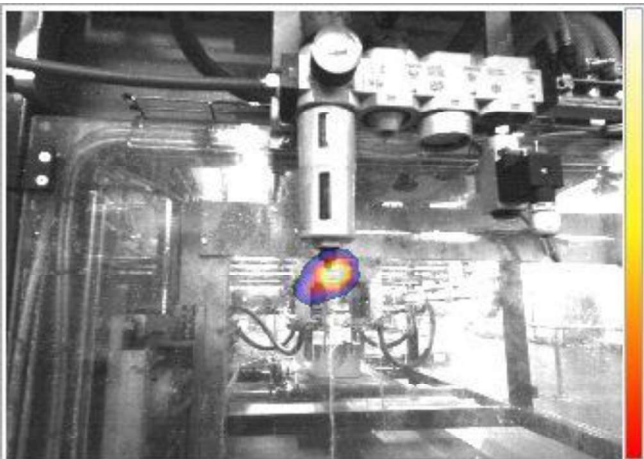
ID	CymruCakes/Line 9/Cooler/AirGun	Attribute	Value
	Loss	(GBP/a)	838.37
	Leak rate	(L/min)	10.63
	Level	(dB)	92.9
	Pressure	(bar)	8
	Distance	(m)	0.30
	Gas type		Air
	Machine		Line 9 Cooler
	Component		Air Gun
	Priority		2
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
	Comment		
CymruCakes/Line 9/Cooler/AirGun			

ID	CymruCakes/Line 9/BoxMaker/AirSupplyUnit	Attribute	Value
	Loss	(GBP/a)	77.10
	Leak rate	(L/min)	0.98
	Level	(dB)	81.4
	Pressure	(bar)	8
	Distance	(m)	0.30
	Gas type		Air
	Machine		Box Maker
	Component		Air Regulator
	Priority		3
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
	Comment		
CymruCakes/Line 9/BoxMaker/AirSupplyUnit			

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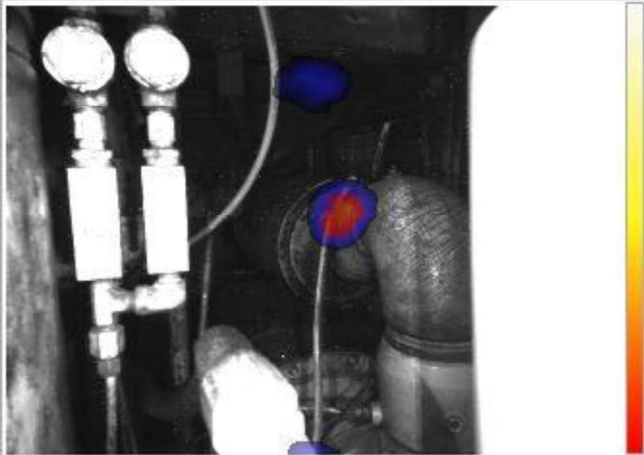
ID	CymruCakes/Line 8/BoxMaker/AirSupplyUnit	Attribute	Value
	Loss	(GBP/a)	121.51
	Leak rate	(L/min)	1.54
	Level	(dB)	73.7
	Pressure	(bar)	8
	Distance	(m)	0.30
	Gas type		Air
	Machine		Box Maker
	Component		ASU
	Priority		3
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
Comment CymruCakes/Line 8/BoxMaker/AirSupplyUnit - regulator delivery pipe.			


ID	CymruCakes/Line 7/BoxMaker/AirSupplyUnit	Attribute	Value
	Loss	(GBP/a)	453.11
	Leak rate	(L/min)	5.75
	Level	(dB)	79.4
	Pressure	(bar)	8
	Distance	(m)	0.50
	Gas type		Air
	Machine		Box maker
	Component		ASU
	Priority		3
	Repair recommended		Yes
	Repair done		No
	Technician		
	Repair date		
Comment CymruCakes/Line 7/BoxMaker/AirSupplyUnit - drain point leaking			

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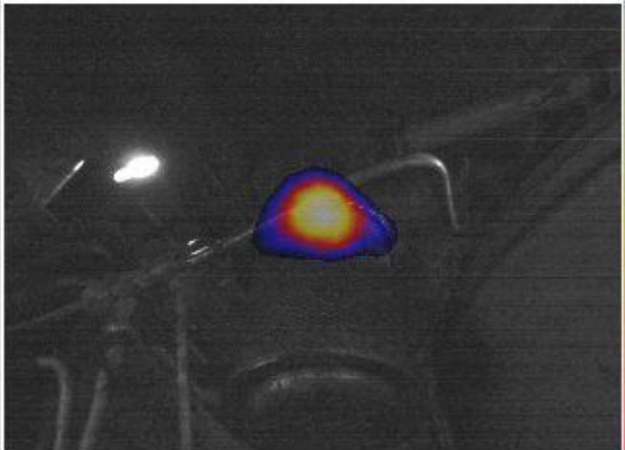


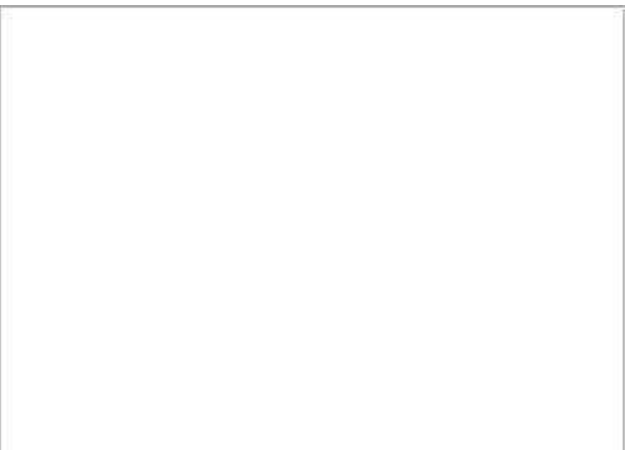
ID	CymruCakes/AirComp1/Intake	Attribute	Value
		Loss (GBP/a)	1050.37
		Leak rate (L/min)	13.32
		Level (dB)	79.1
		Pressure (bar)	8
		Distance (m)	1.00
		Gas type	Air
		Machine	Air Compressor 1
		Component	Intake Pipe
		Priority	2
		Repair recommended	Yes
		Repair done	No
		Technician	
		Repair date	
		Comment	
CymruCakes/AirComp1/Intake			

ID	CymruCakes/AirDryer/Outlet/IsoValve/Joint	Attribute	Value
		Loss (GBP/a)	217.31
		Leak rate (L/min)	2.76
		Level (dB)	79.7
		Pressure (bar)	8
		Distance (m)	0.30
		Gas type	Air
		Machine	Air Dryer
		Component	Isolation Valve
		Priority	3
		Repair recommended	Yes
		Repair done	No
		Technician	
		Repair date	
		Comment	
CymruCakes/AirDryer/Outlet/IsoValve/Joint			

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ID	CymruCakes/AirComp2/Filter/Connector	Attribute	Value
		Loss (GBP/a)	4637.36
		Leak rate (L/min)	58.82
		Level (dB)	103.5
		Pressure (bar)	8
		Distance (m)	0.30
		Gas type	Air
		Machine	Air Comp 2
		Component	Filter
		Priority	1
		Repair recommended	Yes
		Repair done	No
		Technician	
		Repair date	
	Comment		
CymruCakes/AirComp2/Filter/Connector			

ID	Attribute	Value
	Loss (GBP/a)	0.00
	Leak rate (L/min)	0.00
	Level (dB)	0.0
	Pressure (bar)	0
	Distance (m)	0.00
	Gas type	
	Machine	
	Component	
	Priority	0
	Repair recommended	No
	Repair done	No
	Technician	
	Repair date	
	Comment	

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