



ti thermal imaging ltd.

Thermal Imaging Report

Inspection Ref. TI WATER LEAK DEMO (PIPE WORK)

TI LTD / TI WATER LEAK DEMO

10th Mar 2014

Client	TI LTD
Site	TI WATER LEAK DEMO Suite 118, Trident Court 1 Oakcroft Road Chessington Surrey KT9 1BD
Contacts	Demo Demo demo@demo.co.uk

Inspection Data

Reason for Survey	LANDLORD/TENANT IS EXPERIENCING A DROP IN WATER PRESSURE FROM DOMESTIC HOT WATER SYSTEM
Purpose of Survey	TO INDICATE POTENTIAL AREAS OF SUB SURFACE WATER LEAKAGE WITHOUT CAUSING ANY DAMAGE
Inspection Commencing	8.0
Thermographer, Certification and ID	RICHARD WALLACE - LEVEL 2 THERMOGRAPHY ASNT SNT TC 1A SYLLABUS- C2263
Camera	FLIR E50BX
Software	TICOR ANDROID ENABLED DATA CAPTURE AND REPORTING APPLICATION
Company Accreditation	ISO9001-2008 - GB2003936 AND LEVEL II THERMOGRAPHICS
Notes	N/A

Summary

Suspected Faults Found In This Inspection	3) SUSPECTED AREAS OF SUBSURFACE WATER LEAKAGE
Recommended Remedial Actions	3) FURTHER INVESTIGATION REQUIRED
Further findings	N/A

Summary

The Infrared Inspection was performed by TI Thermal Imaging, by a certified infrared Thermographer. All of the items inspected are listed in this TICOR report. Any anomalies are listed in order of priority based on the component's temperature rise, as measured from a reference component of equal type and load at the time of the inspection. TI Thermal Imaging assumes no liability directly or indirectly as a result of this inspection.

Priority	Current Inspection	Prior Inspection	Percent of Change
Thermal			
Not Specified	0 = 0%	0	N/A
Minor	1 = 33%	0	N/A
Important	1 = 33%	0	N/A
Serious	0 = 0%	0	N/A
Critical	1 = 33%	0	N/A
Visual			
Not Specified	0	0	N/A
Minor	0	0	N/A
Important	0	0	N/A
Serious	0	0	N/A
Critical	0	0	N/A
Ultrasonic			
Not Specified	0	0	N/A
Minor	0	0	N/A
Important	0	0	N/A
Serious	0	0	N/A
Critical	0	0	N/A

I hereby certify the project was inspected by myself or under my direction and that the enclosed data is the result of this inspection.







TICOR

Webber, Joe

Inventory

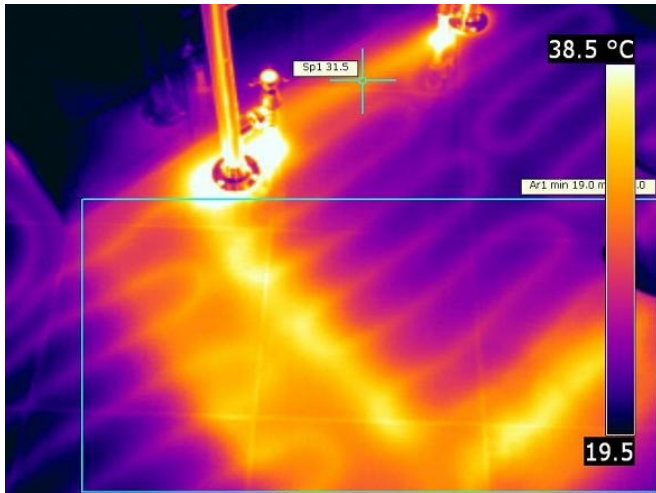
Equipment Description	Item ID	PM WORK ORDER	Problem #s	Status
BATHROOM				TBT
ADJACENT RADIATOR		N/A	2	T
ADJACENT REAR DOOR		N/A		T
EN SUITE				TBT
TOWARDS DOOR		N/A	3	T
HALLWAY				TBT
FROM BATHROOM		N/A		T
MASTER BEDROOM				TBT
ADJACENT WINDOW		N/A		T
FROM HALLWAY TO EN SUITE		N/A		T
SECOND BEDROOM				TBT
TOWARDS WINDOW		N/A		T
LEFT CORNER FROM WINDOW		N/A	4	T
RIGHT CORNER FROM WINDOW		N/A		T
UTILITY ROOM				TBT
FROM DOORWAY		N/A		T

Problems

Problem #	Equipment	Item ID	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)	Type	Fault Rating	Status
2	BATHROOM - ADJACENT RADIATOR		75	23	36	0.0	THERMAL	 CRITICAL	 OPEN
3	EN SUITE - TOWARDS DOOR		75	23	35	0.0	THERMAL	 MINOR	 OPEN
4	SECOND BEDROOM - LEFT CORNER FROM WINDOW		75.0	16.0	17.0	0.0	THERMAL	 IMPORTANT	 OPEN

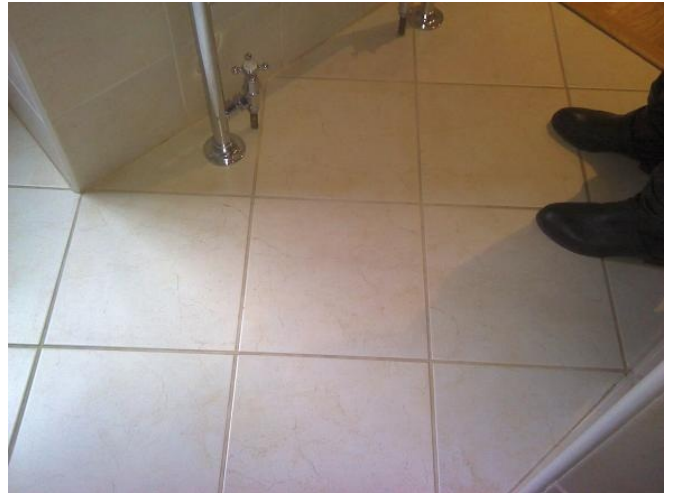
Fault Pages

Client	Asset	Report Date	Problem #	Problem Type	Fault Rating	Problem Status
TI LTD	TI WATER LEAK DEMO	01/09/2015	2	THERMAL	■ CRITICAL	■ OPEN



File: IR_10382a.jpg

Photo Date: 10/03/2014



File: DC_10383.jpg

Photo Date: 10/03/2014

Location/Equipment Information	
Location	BATHROOM
Component	ADJACENT RADIATOR
Item ID	
Status	T
PM WORK ORDER	N/A
Fault Item/Description	

Problem	
Anomaly	ELEVATED SURFACE TEMPERATURE
Root Cause	POSSIBLE AREA OF WATER INGRESS
Remedial	FURTHER INVESTIGATION REQUIRED

Trending Data	
Pipework temp.	75
Min temp	23
Max temp	36
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A

Fault Pages

Client	Asset	Report Date	Problem #	Problem Type	Fault Rating	Problem Status
TI LTD	TI WATER LEAK DEMO	01/09/2015	3	THERMAL	MINOR	OPEN



File: IR_10392a.jpg

Photo Date: 10/03/2014



File: DC_10393.jpg

Photo Date: 10/03/2014

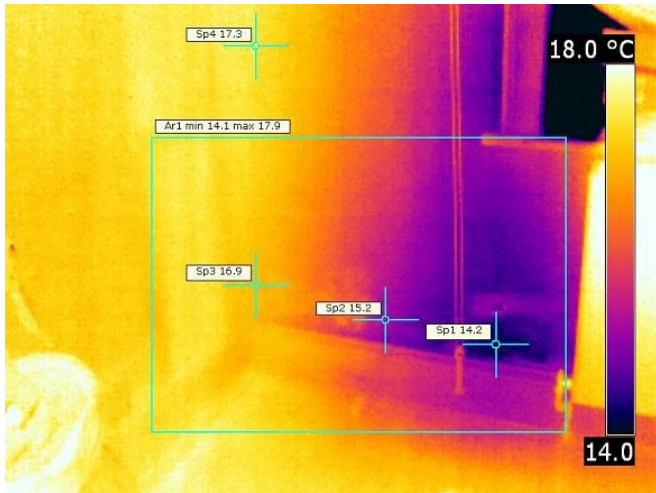
Location/Equipment Information	
Location	EN SUITE
Component	TOWARDS DOOR
Item ID	
Status	T
PM WORK ORDER	N/A
Fault Item/Description	

Problem	
Anomaly	ELEVATED SURFACE TEMPERATURE
Root Cause	POSSIBLE AREA OF WATER INGRESS
Remedial	FURTHER INVESTIGATION REQUIRED

Trending Data	
Pipework temp.	75
Min temp	23
Max temp	35
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A

Fault Pages

Client	Asset	Report Date	Problem #	Problem Type	Fault Rating	Problem Status
TI LTD	TI WATER LEAK DEMO	01/09/2015	4	THERMAL	IMPORTANT	OPEN



File: IR_10398a.jpg

Photo Date: 10/03/2014



File: DC_10399.jpg

Photo Date: 10/03/2014

Location/Equipment Information

Location	SECOND BEDROOM
Component	LEFT CORNER FROM WINDOW
Item ID	
Status	T
PM WORK ORDER	N/A
Fault Item/Description	

Problem

Anomaly	DECREASED SURFACE TEMPERATURE
Root Cause	AREA OF DELAMINATION FROM SUBSTRATE
Remedial	IDENTIFY ROOT CAUSE THEN ASSESS SUBSTRATE FOR INTEGRITY PRIOR TO REPAIR

Trending Data

Pipework temp.	75.0
Min temp	16.0
Max temp	17.0
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	1
Item ID	
Status	T
PM WORK ORDER	N/A

File: DC_10385.jpg



HALLWAY - FROM BATHROOM

File: IR_10384.jpg



Photo Date: 10/03/2014

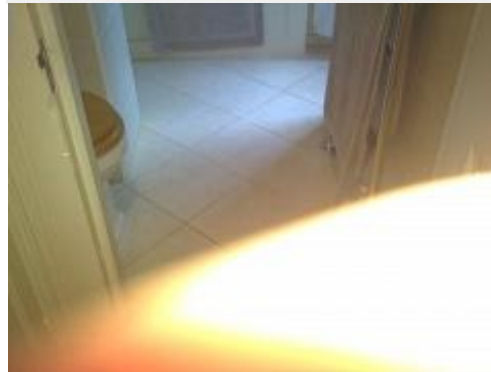
Inspection History

Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	19	25	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	2
Item ID	
Status	T
PM WORK ORDER	N/A

File: DC_10379.jpg



BATHROOM - ADJACENT RADIATOR

File: IR_10378.jpg



Photo Date: 10/03/2014

Inspection History

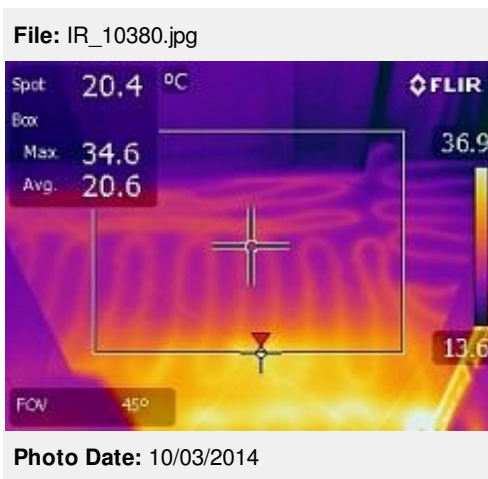
Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	23	36	0.0

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	3
Item ID	
Status	T
PM WORK ORDER	N/A



BATHROOM - ADJACENT REAR DOOR



Inspection History

Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	20	25	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	4
Item ID	
Status	T
PM WORK ORDER	N/A

File: DC_10387.jpg



MASTER BEDROOM - FROM HALLWAY TO EN SUITE

File: IR_10386.jpg

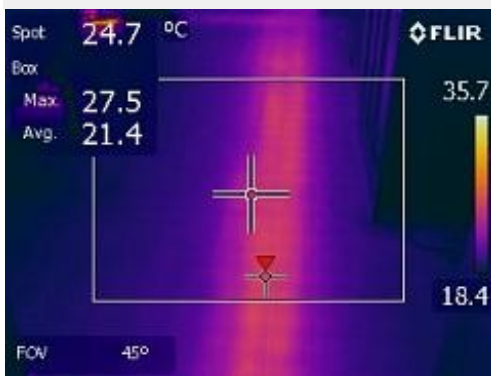


Photo Date: 10/03/2014

Inspection History

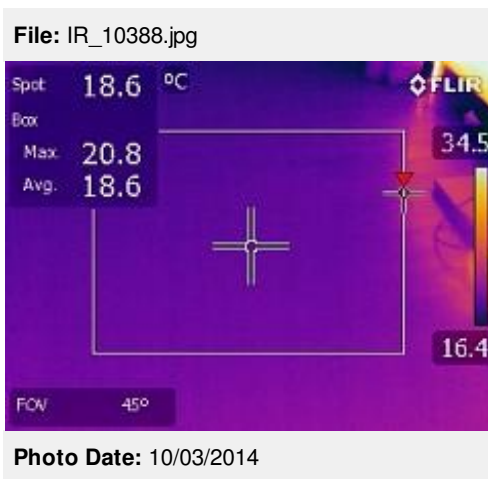
Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	70	21	25	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	5
Item ID	
Status	T
PM WORK ORDER	N/A



MASTER BEDROOM - ADJACENT WINDOW



Inspection History

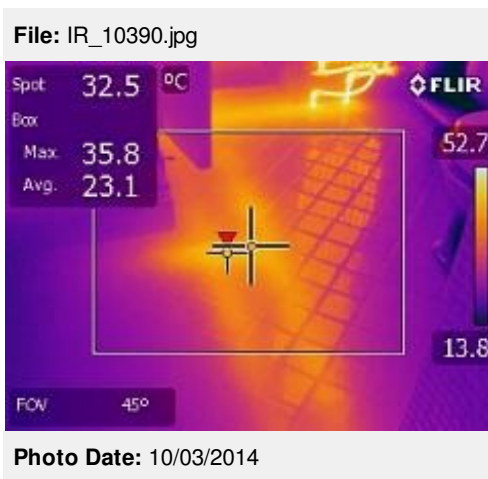
Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	18	25	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	7
Item ID	
Status	T
PM WORK ORDER	N/A



EN SUITE - TOWARDS DOOR



Inspection History

Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	23	35	0.0

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	8
Item ID	
Status	T
PM WORK ORDER	N/A

File: DC_10395.jpg



UTILITY ROOM - FROM DOORWAY

File: IR_10394.jpg



Photo Date: 10/03/2014

Inspection History

Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	17	20	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	9
Item ID	
Status	T
PM WORK ORDER	N/A

File: DC_10397.jpg



SECOND BEDROOM - TOWARDS WINDOW

File: IR_10396.jpg

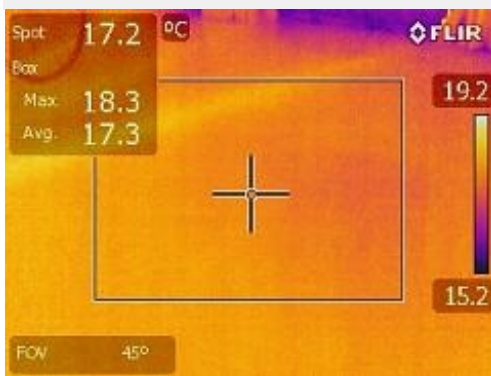


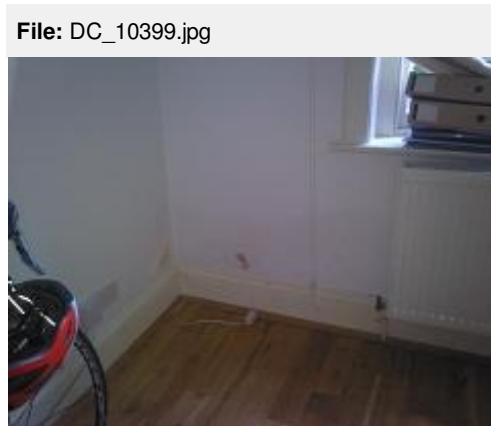
Photo Date: 10/03/2014

Inspection History

Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	17	18	N/A

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	10
Item ID	
Status	T
PM WORK ORDER	N/A



SECOND BEDROOM - LEFT CORNER FROM WINDOW



Inspection History

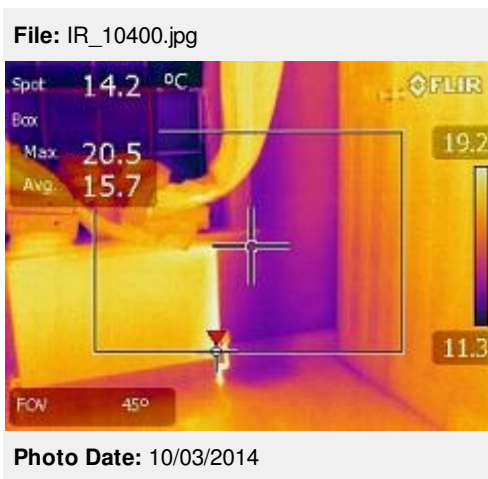
Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75.0	16.0	17.0	0.0

Trending Data

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Item No	11
Item ID	
Status	T
PM WORK ORDER	N/A



SECOND BEDROOM - RIGHT CORNER FROM WINDOW



Inspection History

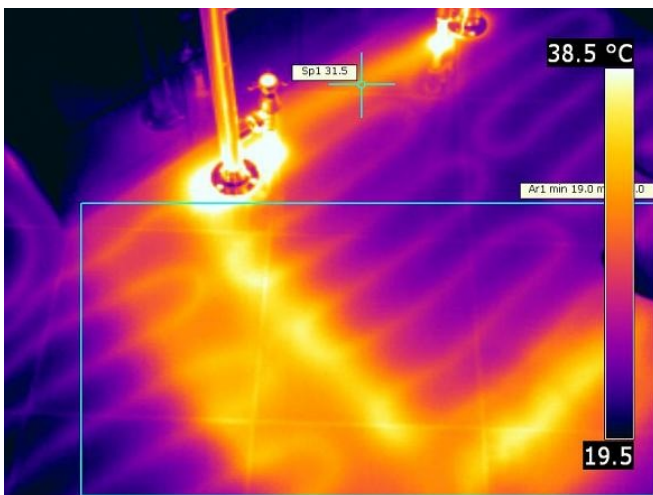
Inspection Reference	Date Inspected	Pipework temp.	Min temp	Max temp	Moisture meter reading - Top (%)
TI WATER LEAK DEMO	10 th Mar 2014	75	16	15	N/A

Work Order Forms

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Work Order #	<input type="text"/>
Corrective Work Order #	<input type="text"/>
PLEASE ADD CORRECTIVE WORK ORDER ABOVE	

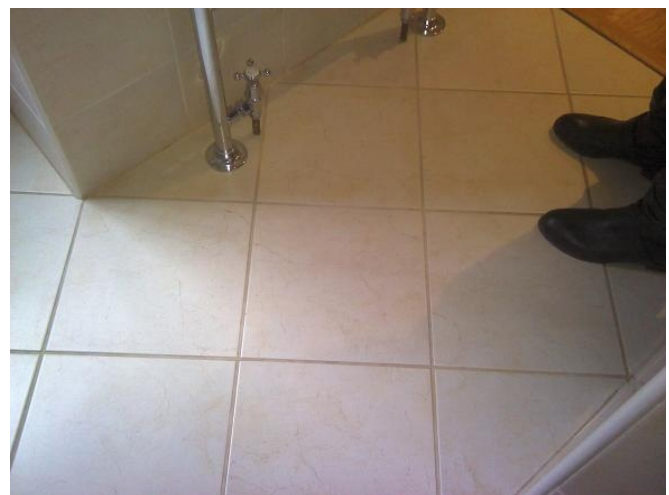
Location/Equipment Information	
Location	BATHROOM
Component	ADJACENT RADIATOR
Item ID	
PM WORK ORDER	N/A
Problem	

Thermal Information	
Pipework temp.	75
Min temp	23
Max temp	36
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A



File: IR_10382a.jpg

Photo Date: 10/03/2014



File: DC_10383.jpg

Photo Date: 10/03/2014

Repair Information

Loss to Production

Yes No Unknown

Consequences of Failure

Repair Date

Repaired By

Parts Req. Before Failure

Root Cause

Parts Req. After Failure

Repair Procedure

Repair Recommendation

Repair Action

Work Order Forms

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Work Order #	<input type="text"/>
Corrective Work Order #	<input type="text"/>
PLEASE ADD CORRECTIVE WORK ORDER ABOVE	

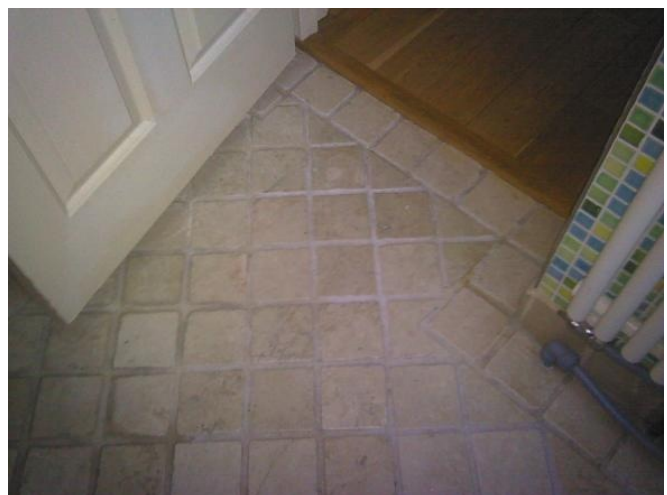
Location/Equipment Information	
Location	EN SUITE
Component	TOWARDS DOOR
Item ID	
PM WORK ORDER	N/A
Problem	

Thermal Information	
Pipework temp.	75
Min temp	23
Max temp	35
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A



File: IR_10392a.jpg

Photo Date: 10/03/2014



File: DC_10393.jpg

Photo Date: 10/03/2014

Repair Information

Loss to Production

Yes No Unknown

Consequences of Failure

Repair Date

Repaired By

Parts Req. Before Failure

Root Cause

Parts Req. After Failure

Repair Procedure

Repair Recommendation

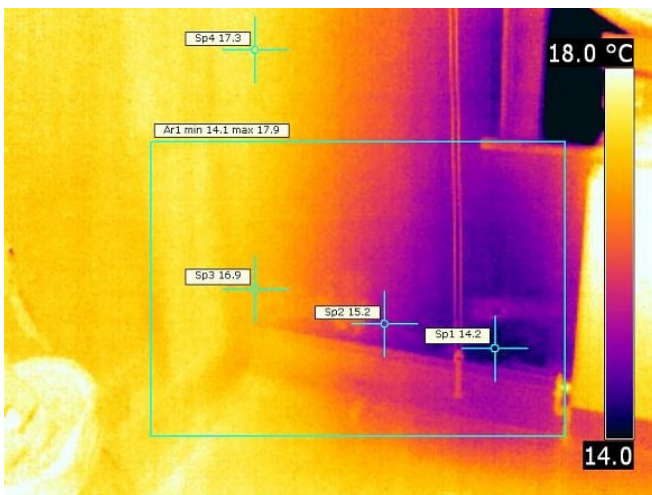
Repair Action

Work Order Forms

Current Inspection No	TI WATER LEAK DEMO
Report Date	1 st Sep 2015
Work Order #	<input type="text"/>
Corrective Work Order #	<input type="text"/>
PLEASE ADD CORRECTIVE WORK ORDER ABOVE	

Location/Equipment Information	
Location	SECOND BEDROOM
Component	LEFT CORNER FROM WINDOW
Item ID	
PM WORK ORDER	N/A
Problem	

Thermal Information	
Pipework temp.	75.0
Min temp	16.0
Max temp	17.0
Moisture meter reading - Top (%)	0.0
Moisture meter reading - Middle (%)	N/A
Moisture meter reading - Bottom (%)	N/A
Chlorine Meter reading (PPM)	N/A
Gas (PPM)	N/A
Distance 1 from (cm)	N/A
Distance 2 from (cm)	N/A



File: IR_10398a.jpg

Photo Date: 10/03/2014



File: DC_10399.jpg

Photo Date: 10/03/2014

Repair Information

Loss to Production

Yes No Unknown

Consequences of Failure

Repair Date

Repaired By

Parts Req. Before Failure

Root Cause

Parts Req. After Failure

Repair Procedure

Repair Recommendation

Repair Action

Client Work Appraisal

We are continually trying to improve our service and ensure that our inspections are carried out to the highest standards. Please use the form below to add your comments, anonymously if you prefer, and send back to us at the address above or:

Email: demo@demo.co.uk

Service	Excellent	Good	Mediocre	Poor	Comments
Office					
Response time to enquiry					
Content of information sent on enquiry					
Telephone and email manner					
Price					
Value					
Engineer					
Time keeping					
Appearance					
Code of conduct					
Subject knowledge					
Method of work					
Engineer flexibility					
Inspection Specification					
Equipment and software					
Report content					
Report delivery time					
Report retrieval					
Other comments					