

Return Address:

Engineer Name

Address Line1

Address Line2

County

Version 18.0 BM July 2014

Postcode

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E-mail

Field Manager

Mobile Number

Job Details

Date Sample Taken

Returned:

days

RESULTS ANALYSIS

Mains Water

System Water

Water Appearance	Water Clear	Grey
Turbidity NTU's	0.00 (Reference)	0.00
pH	7.2	8.2
Conductivity uS/cm	119	540
Typical Regional Hardness	50 Very Soft	N/A
CaCO3 Hardness ppm	93 Slightly Hard	158
Alkalinity ppm	59	340
Chloride ppm	0	0
Corrosion Inhibitor Level	N/A	Underdosed
Iron ppm	N/A	142.00 <u>Acceptable level is 5ppm</u>
Copper ppm	N/A	3.00 Within Range
Aluminium ppm	N/A	0.00 Within Range
Soluble Zinc ppm	N/A	0.00 Good
Boron ppm	N/A	40.00
Molybdate ppm	N/A	17.00
Sodium ppm	0	62.00
Langelier LSI @ 80°C	0.2	N/A
Maximum Severity Level	N/A	2



You also told us:

Contractor survey

The system is not gassing.

The system has not been Power Flushed.

The system hasn't been chemically cleaned.

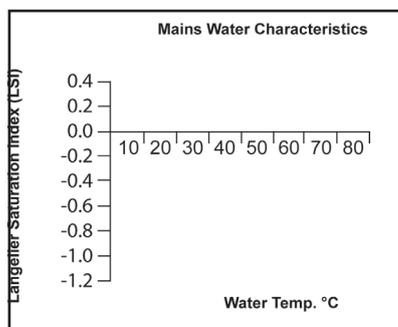
OEM inhibitor was used.

No competitor's inhibitor used. But Competitor was detected.

Good circulation.

Quiet system.

INTERPRETATION



Grey coloured water indicates black sludge is developing

No gassing means low risk of hydrogen evolution and/or aeration faults

System pH - within expected range

Conductivity would indicate system is treated with inhibitor

Inhibitor level is reading: Underdosed

System is not scaled

Net chloride of zero/minus indicates system likely cleaned or flushed

Iron content too high

Copper within expected limit of 3 ppm

Aluminium within expected limit of 3 ppm

Graph confirms that at 80°C mains has a tendency to be scale forming

The graph shows the saturation index of the 'mains' make-up water at varying working temperatures.

When the LSI is POSITIVE, this indicates that the water has a tendency to be scale forming.

When the LSI is NEGATIVE, this indicates that the water has a tendency to be corrosive.

Ideal 'mains' water should be within the range -0.5 to +1 LSI across the entire temperature profile.

RECOMMENDATIONS / REMEDIAL ACTIONS

1. Drain & Flush.
2. Use BM3 Cleaner.
3. Drain & Flush.
4. Treat with BM1 Protector.

To: Name
Address1
Address2
Address3
Postcode

Please find enclosed, your System Test Report for property:

Address

Previous Visit History

0

With Compliments

Eclipse Magnetics Full System Test Report - Customer's Copy

SET: 44738

Cust Postcode/House No

Customer Name/Ref.

Engineers

Date Sample Taken

Returned:

Version 18.0 BM July 2014

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LABORATORY ANALYSIS

	<u>Mains Water</u>		<u>System Water</u>	
Water Appearance	Water Clear	Good	Grey	Poor
Turbidity NTU's	0.00 (Reference)		0.00	Good
pH	7.2 Good		8.2	Poor
Conductivity uS/cm	119 Good		540	Good
Calcium Hardness ppm	93 Slightly Hard		158	Good
Alkalinity ppm	59		340	
Chloride ppm	0 Good		0	
Corrosion Inhibitor Level	N/A		Underdosed	
Iron ppm	N/A		142.00 Poor	
Copper ppm	N/A		3.00	
Aluminium ppm	N/A		0.00	Good
Soluble Zinc ppm	N/A		0.00	Good
LSI Scale Index @ 80°C	0.2 Good		N/A	

OBSERVATIONS

Contractor survey

The system is not gassing.

The system has not been Power Flushed.

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OEM inhibitor was used.

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Good circulation.

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INTERPRETATION

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No gassing means low risk of hydrogen evolution and/or aeration faults

System pH - within expected range

Conductivity would indicate system is treated with inhibitor

Inhibitor level is reading: Underdosed

System is not scaled

Net chloride of zero/minus indicates system likely cleaned or flushed

Iron content too high

Copper within expected limit

Aluminium within expected limit

Scale Index confirms that at 80°C mains has a tendency to be scale forming

RECOMMENDATIONS

1. Drain & Flush. 2. Use BM3 Cleaner. 3. Drain & Flush. 4. Treat with BM1 Protector.