



Example Electrical Thermography Report

Antony Barnes

Practice Care Maintenance Services Ltd

4th March 2015

Title | Example Electrical Thermography Report |

Customer | A.N Other Customer |

Customer Reference | ANOT – AB040315-2 |

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reference | ANOT – AB040315-2 |

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Date | 6th March 2015 |

Key

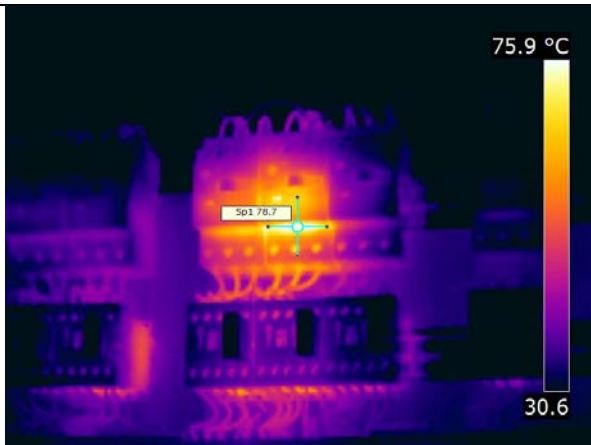
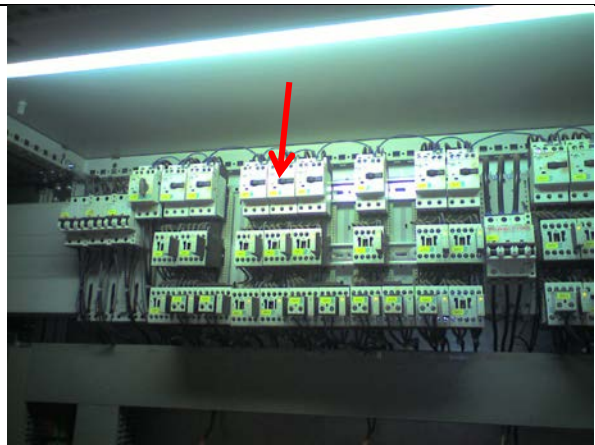
	LOCATION/ASSET OUT OF SERVICE OR INACCESSIBLE
	SATISFACTORY CONDITION AT THE TIME OF THE SURVEY
	CAUTION - LOCATION EXCEEDS ALERT CONDITIONS
	ACTION - LOCATION EXCEEDS FAULT CONDITIONS

ASSET HEALTH HISTORY REPORT - STATUS AT A GLANCE			Survey Dates								
Area Description	Location Description	Thermographers Comments and Observations	07/08/2014	08/12/2014	04/03/2015						
Control Room 16	Panel 3										
Control Room 17	Panel 1										
Control Room 18	Control Panel										
Control Room 19	Panel 1										
Control Room 20	Control Panel										

THERMOGRAPHY DETAILED EXCEPTION REPORT	Severity	
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Area Description	Control Room 4	Fault Description	Localised Internal Heating
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Location Description	Panel 10	Fault Location	MCB 45Q2 - Main Body
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Thermal Image	Digital Image
	

Recorded Ambient: 22 °C Recorded Reference: 37 °C Recorded Anomaly: 78.7 °C	Observation Notes: An increase in the temperature of the MCB can be seen since the previous survey in December 2014.
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Recommendations:
 As a precaution please schedule to replace the MCB due to the gradual increase in temperature.

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THERMOGRAPHY DETAILED EXCEPTION REPORT		Severity	
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Area Description	Control Room 7	Fault Description	Overheating Transformer
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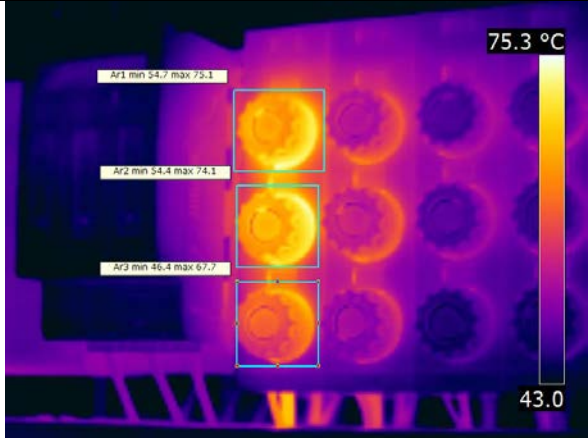
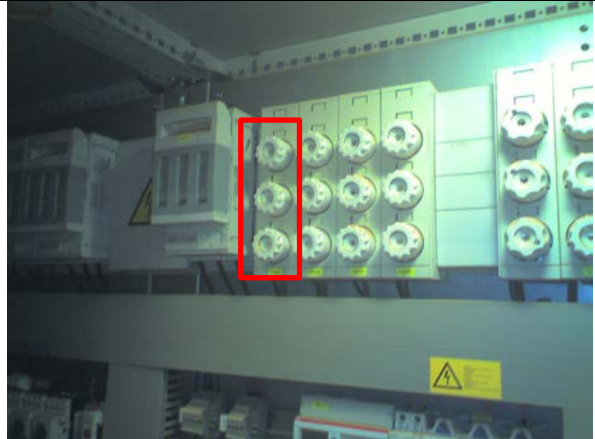
Location Description	Panel 63	Fault Location	Main Transformer – Left and Right Coil Legs
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Thermal Image	Digital Image
	



Recorded Ambient: 24 °C Recorded Reference: 37 °C Recorded Anomaly: 106 °C	Observation Notes: The temperature of the transformer continues to increase with an increase evident on the left side coil. A discoloration in the insulation around the coil can now also be seen.
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Recommendations:
 Please schedule to replace the transformer.



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THERMOGRAPHY DETAILED EXCEPTION REPORT		Severity	
Area Description	Control Room 7	Fault Description	Differential temperature across 3 phase fuses
Location Description	Panel 65	Fault Location	F8401 Fuses
Thermal Image		Digital Image	
			
Recorded Ambient:	24 °C	Observation Notes:	A differential in temperature can be seen across the three fuses with the client stating that there are known issues with failures of these fuses.
Recorded Reference:	32 °C		
Recorded Anomaly:	75 °C		
Recommendations:			
Please remove each fuse inspecting the contact surfaces for oxidisation. The fuses carrier / holder should also be inspected and cleaned as required. When refitting please ensure all three fuses are secure and that the phase loading is balanced.			

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THERMOGRAPHY DETAILED EXCEPTION REPORT		Severity	
Area Description	Control Room 14	Fault Description	Localised internal heating
Location Description	Panel 29	Fault Location	Add on 'disconnect module'
Thermal Image		Digital Image	
			
Recorded Ambient:	25 °C	Observation Notes:	
Recorded Reference:	34 °C	An area of heating can be seen from the add-on units which were confirmed by the client to be related to a safety disconnect circuit. This is likely to indicate a developing internal fault.	
Recorded Anomaly:	84.2 °C		
Recommendations:			
If subsequent surveys highlight an upward trend in temperature recommendations will be made to replace the add-on unit.			

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THERMOGRAPHY DETAILED EXCEPTION REPORT		Severity	
Area Description	Control Room 14	Fault Description	Localised internal heating
Location Description	Panel 29	Fault Location	Add on 'disconnect module'
Thermal Image		Digital Image	
			
Recorded Ambient:	25 °C	Observation Notes:	
Recorded Reference:	34 °C	An area of heating can be seen from the add-on units which were confirmed by the client to be related to a safety disconnect circuit. This is likely to indicate a developing internal fault.	
Recorded Anomaly:	78.5 °C		
Recommendations:			
If subsequent surveys highlight an upward trend in temperature recommendations will be made to replace the add-on unit.			

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