01\textsuperscript{st} January, 2001

Contact
Company
Address
Address

**RE: Infrared Thermography Survey**

The IR images taken on the 01\textsuperscript{st} January, 2001 have been analysed and apparent problems diagnosed:

For – Company - Sample
Site - XXXX

**PRIORITY JUDGEMENT TERMINOLOGY**

0 ------ Machine not monitored this survey
1 ------ Serious
2 ------ Intermediate
3 ------ Routine
4 ------ Good

Regards,

Adam Walker
Infrared Solutions
SAMPLE

PRIORITY JUDGEMENT TERMINOLOGY

0. Cabinet not under load this survey

1. (>40° delta temp) **Serious** — Repair within 1-2 weeks. Replace component; inspect for damage to adjacent components

2. (20-40° delta temp) **Intermediate** — Repair within 2-4 weeks. Inspect for physical damage and watch for load changes. There is a chance of component damage.

3. (<20° delta temp) **Routine** — Repair during regular maintenance. Little probability of physical damage

4. **Good** — Scanned components or area is OK for continued use

**TERMS**

**Fault**
Highest temperature measured on faulty component

**Reference**
Temperature of an identical component operating at a similar load. ie. Normal operating temperature of component.

**Delta Temp.** Difference between fault temperature and reference temperature.

All care has been taken to ensure that only cabinets, which are under load, have been scanned. However in some cabinets, not all components are under load at the same time. Although a cabinet may have been given a priority of good, no responsibility can be taken for components that were not under load at the time of the survey.
<table>
<thead>
<tr>
<th>Machine Name</th>
<th>Machine ID</th>
<th>Survey Date</th>
<th>Priority 0 Not Measured</th>
<th>Priority 1 Serious</th>
<th>Priority 2 Intermediate</th>
<th>Priority 3 Routine</th>
<th>Priority 4 Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Control Centre 37.1</td>
<td>MCC 37.1</td>
<td>01-Jan-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Line 7 Extruder Control Panel</td>
<td>L7</td>
<td>01-Jan-01</td>
<td></td>
<td>1</td>
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<tr>
<td>Gal Plant P&amp;C No.41</td>
<td>Gal Plant</td>
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<tr>
<td>Motor Control Cabinet 1</td>
<td>MCC1</td>
<td>01-Jan-01</td>
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<tr>
<td>Line 1</td>
<td>L1</td>
<td>01-Jan-01</td>
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<td>1</td>
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<tr>
<td>Klopper No.1 Control Panel</td>
<td>Mirror</td>
<td>01-Jan-01</td>
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<td>Compressor 1</td>
<td>A66EE020A</td>
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<td>Trade Waste</td>
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<td>4</td>
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<tr>
<td>Sag Conveyors</td>
<td>SC</td>
<td>01-Jan-01</td>
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<td>4</td>
</tr>
</tbody>
</table>
# Line 7 Extruder

## Fault Description
- Main Isolator
- Connection end hot
- Loose or improper connection

23-May-06
Adam Walker

## Fault Location
- Cabinet ID: Line 7 Extruder
- Point ID: RHS-2
- Component ID: Main Isolator
- Fault Location: Blue Phase

## Priority – SERIOUS
- Repair within 1-2 weeks.
- Replace component; inspect for damage to adjacent component.

## Recorded Temperatures
- Fault: 100.6 C
- Reference: 40.2 C
- Ambient: 21.0 C
- Delta Temp.: 60.4 C

## Electrical Parameters
- Phases: 3
- Voltage: 415
- Emissivity: 0.900

## Recommended Actions
- Rework the connection ensuring it is clean and tight.

## Comments
- This fault was present last survey and is now a lot hotter.

## Action Taken

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## Line 1

### Fault Description
- Contactor
- Connection end hot
- Loose or improper connection

13-Apr-06
Adam Walker

### Fault Location
- Cabinet ID: Line 1
- Point ID: Curing Oven
- Component ID: Contactor K194
- Fault Location: T2

### Priority – SERIOUS
- Repair within 1-2 weeks.
- Replace component; inspect for damage to adjacent component.

### Recorded Temperatures
- Fault: 121.1 C
- Reference: 58.0 C
- Ambient: 21.0 C
- Delta Temp.: 63.1 C

### Electrical Parameters
- Phases: 3
- Voltage: 415
- Emissivity: 0.900

### Recommended Actions
- Rework the connection.
- Re-crimp new lug to wire.

### Action Taken

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### Comments

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Mirror Line

**Fault Description**
- Fuse
- Fuse body hot
- Loose connection or loose fuse in holder

30-May-06
Adam Walker

**Fault Location**
- Cabinet ID: Klopper No. 1
- Point Description: Control Panel
- Component ID: Fuse 19F2
- Fault Location: Bottom phase

**Priority – INTERMEDIATE**
- Repair within 2-4 weeks.
- Inspect for physical damage and watch for load changes. There is a chance of component damage.

**Recorded Temperatures**
- Fault: 81.2 C
- Reference: 43.3 C
- Ambient: 21.0 C
- Delta Temp.: 37.9 C

**Electrical Parameters**
- Phases: 3
- Voltage: 415
- Emissivity: 0.900

**Recommended Actions**
- Rework the connection.
- Ensure fuse holder is tight.

**Action Taken**

**Comments**