**EKTIMO Pty Ltd**

**POSTAL ADDRESS:** 7 Redland Drive, Mitcham, VIC
**ABN NUMBER:** 86 600 381 413
**CONTACT NAME:** Ryan Collins
**EMAIL:** ryan.collins@ektimo.com.au
**TELEPHONE NUMBER:** 1300 364 005
**WEBSITE:** www.ektimo.com.au

### SERVICE REPORT DETAILS

**REPORT NUMBER:** R007620-1
**DATE OF ISSUE:** 11 July 2019
**WORKS UNDERTAKEN**
- Goyen EMP6 Service
**CLIENT PO# NUMBER:** 1242
**ATTENTION:** Paul Clingan
**COMPANY:** Clingcast Metals Pty Ltd
**ADDRESS:** 98 Bath Road, Kirrawee, NSW
**EMAIL ADDRESS:** paul@clingcast.com.au

### REPORT AUTHORISATION

**REPORT PREPARED BY:**

[Signature]

**REPORT CHECKED BY:**

[Signature]

Ryan Collins  
Instruments Technician  
ryan.collins@ektimo.com.au

Michael Ogulin  
Project and Logistics Administrator  
michael.ogulin@ektimo.com.au

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**ISO 17025:2005 Account Number 14778**

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1. Instrument identification

<table>
<thead>
<tr>
<th>SYSTEM TYPE:</th>
<th>Dust monitor</th>
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</thead>
<tbody>
<tr>
<td>INSTRUMENT MANUFACTURER:</td>
<td>Goyen Pentair</td>
</tr>
<tr>
<td>INSTRUMENT MODEL:</td>
<td>Goyen EMP6</td>
</tr>
</tbody>
</table>

2. Service information

| EKTIMO TECHNICIAN/ ENGINEER: | Ryan Collins |

2.1 Initial assessment

Annual dust monitor services were carried out for the following locations at the Kirrawee Plant of Clingcast Metals Pty Ltd:

<table>
<thead>
<tr>
<th>Location</th>
<th>Date Serviced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baghouse stack particulate emission monitor</td>
<td>09/07/2019</td>
</tr>
</tbody>
</table>

Notes:

**Goyen EMP6 Dust Concentration Monitor:**

The purpose of the service is to ensure EMP6B particulate emission monitor is operating optimally and is producing reliable emission data in the process environment of monitoring the dust collector/bag house performance.

- The mounting position of the active head is in an acceptable location for the purposes of dust monitor.
- The triboelectric probe consisted of a stainless steel wire rope.
- The plant was running when the probe was removed from the stack.
- It is noted that purge air was not installed to the active head. This is an acceptable practice as both ambient and in-stack dust level build-up is minimal on the Clingcast Metals baghouse system.
- Internal “Active head self-test” was performed on the monitor, and a test value of between 40% and 60% was recorded.
2.2 **Consumable items replaced**
No items were replaced within this scope of works.

2.3 **Tasks performed:**

**EMP 6 Active Head Inspection:**
- ✓ No moisture ingress visible in the body of the monitor
- ✓ Cabling appears to be in good operational condition
- ✓ No burn marks on termination
- ✓ All screws on terminals, lid, probe shaft were pre and post inspected to be tight

**EMP6 Active Head and Probe Tasks:**
- ✓ Clean all the externals surfaces
- ✓ Remove the probe from stack, clean the duct flange
- ✓ Disassemble the probe from the active head
- ✓ Clean measurement surfaces, with compressed air and cleansing wipes
- ✓ Perform an “Active head self test”-Instrument returned a reading of 50% which falls within the 40% - 60% acceptability criteria.
- ✓ Perform control cycle after, check for typical readings
- ✓ Highlight any current or possible future issues influencing the performance of the instrument

3. **Recommendations**

These recommendations are made to help you in maintaining your monitoring equipment at the optimum level of operation.

- ✓ **Perform basic annual service:**
  - Remove unit from stack for onsite servicing by Ektimo or Goyen/Pentair personal

- ✓ **Review data**
  - Remove data via SD card logger and download on a fortnightly basis.

- ✓ **Next Service Due:** 9 July 2020