

EKTIMO PTY LTD

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SERVICE REPORT DETAILS

REPORT NUMBER: R003731-1 **REVISION NUMBER:**
DATE OF ISSUE: 26 June 2017
WORKS UNDERTAKEN: Goyen EMP6 Service
CLIENT PO# NUMBER: 0916
ATTENTION: Chris Harden
COMPANY: Cling cast Metals Pty Ltd
ADDRESS: 98 Bath Road, Kirrawee, NSW
EMAIL ADDRESS: chris@clingcast.com.au

REPORT AUTHORISATION

REPORT PREPARED BY:

A handwritten signature in black ink, appearing to read "Ryan Collins".

Ryan Collins

Instruments Technician

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REPORT CHECKED BY:

A handwritten signature in black ink, appearing to read "Michael Ogulin".

Michael Ogulin

Project and Logistics Administrator

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ISO 17025:2005 Account Number 14778

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1. Instrument identification

SYSTEM TYPE:	Dust monitor
INSTRUMENT MANUFACTURER:	Goyen Pentair
INSTRUMENT MODEL:	Goyen EMP6

2. Service information

EKTIMO TECHNICIAN/ ENGINEER:	David Hill & Ryan Collins
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2.1 Initial assessment

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

Location	Date Serviced
Baghouse stack particulate emission monitor	11/05/2017

Notes:
<p>Goyen EMP6 Dust Concentration Monitor:</p> <p>The purpose of the service is to ensure EMP6B particulate emission monitor is operating optimally and are producing reliable emission data in the process environment of monitoring the dust collector/bag house performance.</p> <ul style="list-style-type: none"> 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 external 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: 11 May 2018**